D	EPTH	DRILL RATE		THE PROPERTY OF THE PROPERTY O	Page 14 of
av. 10 hours	(feet)	(feet/hour) 0 200	SYMBO	L LITHOLOGY DESCRIPTION	REMARKS
- Marie	2380	1- - - - -		9	
E	į		1		Switch to rotary drilling. Hole size 5 1/8".
E-4	2390		7		
	İ	1	7		B152
E-4	2400		77		
Ē			7		
-2	2410	 	1		
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-24	450	Z	1		
Ē			7		anss-
-24	160		77		
E			7		0852-
-24	70		7		
E	4	1 2	17	COLOREST - Ight to dark gray. Sne to modition to	At 2474' at 0000 hr on 07/24.
-24	80		7	DOLOMITE: gray, hard, blocky at top and bottom, broken in middle section, several high angle fractures, some vugs present, vugs are smaller than previous.	Switch to coring. Hole size 5", core size 3".
E T			7	vugs present, vugs are smaller than previous.	Core #61, 2475-2482', 100% rec.
-24	90		77	DOLOMITE: Drill blind, no returns.	Switch to rotary drilling. Hole size - 5 1/8".
E			7	a 2 West successful moves and feathers in place to	0176
-250	00		7		
E			7		esos
-251	10		7		
=			77		Contract on the contract of th
-252	0		7		
E			7		
-253	0		7		
			1		
-254			7.7		
-254			7		
- 000			7		
-2550			7	, -	Delli-
-2560	111		7		Drilling at 2551' at 0000 hr on 07/25.
-2560		11-2	77	MOLOMATE: Dell pinel, an interp	
-		1:1:	1-1		

BOREHOLE No.: TH03 Page 16 of 16 DEPTH DRILL RATE SYMBOL (feet/hour) LITHOLOGY DESCRIPTION (feet) REMARKS 200 -2760 -2770 Switch to coring. Hole size 5", core size 3". DOLOMITE: gray, less uniform in color, crystalline, hard, broken, a few (trace) high angle fractures. Core #64, 2775-2778.5', 71% rec. -2780 Switch to rotary drilling. Hole size -5 1/8". DOLOMITE: Drill blind, no returns. -2790 -2800 -2810 Drilling at 2809' at 0000 hr on 07/28. -2820 -2830 Top Montoya at 2830 (based on geophysical logs due to no mud circulation and therefore no drill -2840 cuttings). Collected formation water sample from 2830-2850 on '. -2850 -2860 -2870 -2880 Switch to coring. Hole size 5*, core size 3*. Core #65, 2890-2894*, 38% -2890 DOLOMITE: cherty, gray, hard, broken, chert is light gray to white, subangular, sized from 2mm - 10mm. TD = 2894' at 2110 hr on 07/28. TOTAL DEPTH = 2894 feet bgs.

EPWU Test Hole 4



RECORD OF WELL CONSTRUCTION TEST/PILOT HOLE INVESTIGATION FORT BLISS, EL PASO COUNTY, TEXAS

WELL NO .: THO4

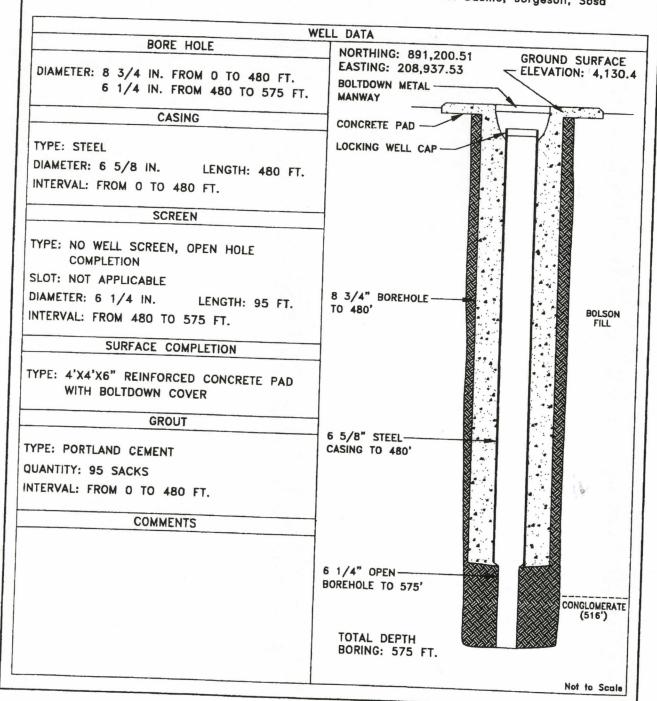
DRILLER: Stewart Brothers Drilling Co.

DRILLING METHOD: Failing CF-2500 Mud Rotary DATES INSTALLED: 05/26/03-06/06/03

DEVELOPMENT METHOD: Not Applicable

CLIENT: Corps of Engineers PROJECT NUMBER: N7551.327D

FIELD GEOLOGISTS: Basilio, Jorgeson, Sosa





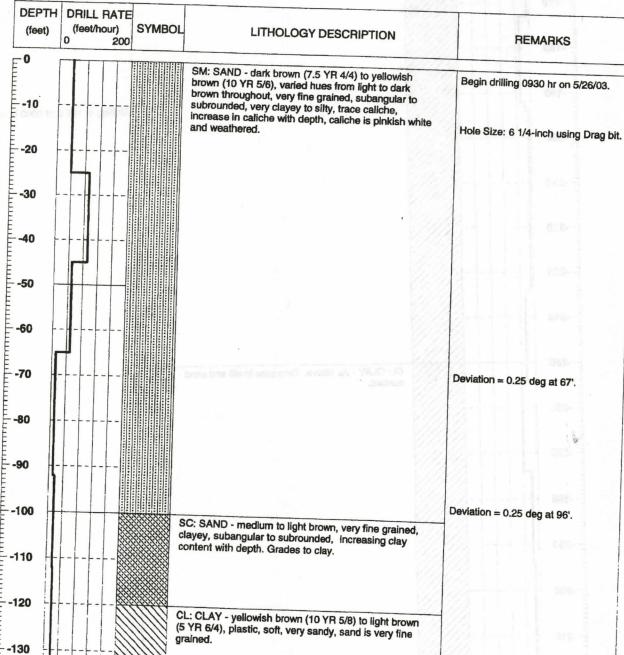
TETRA TECH NUS, INC. **Houston, Texas**

BOREHOLE No.:

Page 1 of 4

NORTHING: 891,200.51 EASTING: 208,937.53

DDO IF	OT INFORMATION	200,507.55	ELEVATION: 4130.4 Feet M
	CT INFORMATION	DRILLING IN	NFORMATION
PROJECT: SITE LOCATION: JOB NO.: LOGGED BY: PROJECT MANAGE DATES DRILLED:	5/26/03 - 6/6/03	DRILLING CO.: DRILLER: RIG TYPE: METHOD OF DRILLING: SAMPLING METHODS: TOTAL DEPTH:	Stewart Brothers Drilling S. Odom/J. Brunson Failing CE-2500
NOTES: All color ref	erences are to the Munsell Color Char	·	oro leet bgs
DEPTH DRILL RATE (feet) (feet/hour)	SYMBOL LITHOLOGY D	ESCRIPTION	



(feet)	DRILL RAT (feet/hour) 0 20	SYMBO	LITHOLOGY DESCRIPTION	REMARKS
		UIIII	N .	
-330	H	-44411		
	la Sala bed		CL: CLAY - As above, increase in silt and sand content	
1000	4		trace dark minerals.	And the second second
-340			Particular and Particular and Control of the Contro	
010		VIIII		
102	and the pro-		The state of the s	
250			Committee of the commit	72
-350			with one house fundament of the underlies.	
, TAB-6	A Park			
	1			
-360	1	-(//////	Para	
Mr. Har				
-370	1	MILLE	55/25	
2 2 500		VIIII		
380		MILLIA		
1 794 1	9 9 9 9	VIIIIA		
		VIIIII		
390		MILLIA		
		MILLI		
		MILLIA		
400		VIIIII		
1			CLAY & SILTY: As above, very silty.	Water cample interest
			abovo, very silty.	Water sample interval 400'-420', dry, no sample collected.
10				3, cample collected.
110				
-		===		
[]				Drilling et 440 ft
20				Drilling at 416 ft at 0000 hr on 05/2
30	·			
		===		
- (1111			
40	·			
	!!!!!			Switch to conventional coring, 6.0"
				hole dia., 4"core dia.
50	+++			
			CLAY & SILTY: reddish yellow (7.5 YR 7/6), slightly	Core #1, 450-456', 100% recovery
			plastic, slightly sandy, sand is very fine grained, loosely consolidated, moist.	(rec.).
50 -	L-L-L-F		CONSUMATEU, MOIST.	Core #2, 456-474', 56% rec.
-				Conduct geophysical longing 0-
				480', on 5/28.
70 -				Core #3, 474-480', 50% rec.
0				At 480 ft at 0000 hr on 05/29.
1		====		Ream open hole to 8 3/4" from 0-
				480 On 06/02. Set 6 5/8" carina
30			SII TSTONE, branco and	from 0-480' on 06/03.
		·····	SILTSTONE: brown, with clayey reddish yellow sand, and is very fine grained, stiff, 70% consolidated, 30%	Conventional coring C of the term
		K	cose.	Conventional coring, 6.0" hole dia., 4"core dia.
10 }-∤		:-:-		Core #4, 481-486', 100% rec.
		<u> </u>		Core #5, 486-491', 80% rec.
				Core #6, 491-496', 40% rec.
0				Core #7, 496-501', 80% rec.
		s	ILTSTONE: As above with 1' thick limestone layers,	Core #8, 501-506', 0% rec.
4			ilestolle is prownish dray and competent Grades to	Coring at 504 ft at 0000 hr on 06/05.
0 -		! • •	onglomerate at 516' with distinct gravel layers within	
-			- ontotone.	Core #9, 506-511', 240% rec.

BOREHOLE No.: TH04 Page 4 of 4 DEPTH DRILL RATE SYMBOL (feet/hour) LITHOLOGY DESCRIPTION (feet) REMARKS 200 CONGLOMERATE: very stiff, competant with cobbles Core #10, 511-517.5', 131% rec. -520 ranging in size from 1" to 3", subangular to subrounded, Core #11, 517.5-522', 78% rec. 40% loose material. Core #12, 522-526.5', 89% rec. CONGLOMERATE: As above with varying degrees of -530 Core #13, 526.5-531', 100% rec. cementation and ranges of cobble size. Matrix is mostly siltstone with admixed sand and clay. Core #14, 531-535.5', 67% rec. Core #15, 535.5-541', 109% rec. -540 Coring at 541 ft at 0000 hr on 06/06. -550 Core #16, 541-551', 100% rec. Core #17, 551-558', 100% rec. -560 Core #18, 558-564.5', 92% rec. Core #19, 564.5-575', 109% rec. -570 Total depth = 575' bgs at 1630 hr on

TOTAL DEPTH = 575 ft bgs.

06/06.

Best-State / Te	1			
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The second secon				
TEXAS WATER DEVELOPMENT	BBARD			
VELL SCHEDILE				
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Aquitor Amoro Bolson Tield No.	DA 64 - 11-11	. 49	15301	<u>_</u>
Gamer's Well No.	County	20		
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(Paso View Land Developent)				1 1
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Tenant:	Befare.			
brilliers Cole Dela Co			i	
			+-+-	+-+
3. Elevation of LSD is 4172 pt. above mil, determined	m_115	960		
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5. Depth: Reptft. Neseft.	Generated 1	You	ft. to	ñ.
6. Completion: Open Hole, Streight Wall, Underwend, Drawel Facked	Diam. (in.)	Тура	Settl	ng, ft.
7. Pumpi Migr.	. 3	No. and	1	.0
No. Stegns, Rosks Diam,in., Settingft.	104		0	558
Column Cine. in., Langth Tailpipe				
B. Motors Post 1/2 C. Rake & Hodel HP.	1 300			
9. Highd: Flow gos, Pump Stage, Rass., Rapt., Rev.		of July		
10. Performance Test: Date Laugth of Test Nade by	-			
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Production Special Capacity app/ft.	100			
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rapt. 15 above		which is_	54.	los surface.
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	(DEC. 68)
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	Tanto, color, atc. NOV 83
	49.15-303

9-145—July 1930 Revised	UNITED STATES	
DEP	ARTMENT OF THE INTERIOR GEOLOGICAL SURVEY 72-44-1	5.
WELL SCHEDULE	WAYER RESOURCES BRANCH	•
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49-15-601

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brillers Address: Elevation of LSD in 4083 ft. obove sel, described to	1	On B .		-+-+
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l original copy by ified meil to the	State of	Texas	For TWDB use only Well No. 49-07-5A Located on map VLS
is Water Development Board). Box 12386 :in, Texas 78711	WATER WELL	REPORT	Received: 27
OWNER: Person having well drilled Hot	Wells Cattle Co	O. Address 732/ N. Loop E	- 1 PASO TEXAS
Terson having well drilled // f.	(Name)	(Street or RFD)	(City) (State)
Landowner / EXAS / /TE/// (Name)	C ZMM ; DEVELOP	(Street or RFD)	(City) (State)
County E PASO		s in N.F. direction from E	(Town)
Locate by sketch map showing landmark hiway number, etc.*	s, roads, creeks,	or Give legal location with distances as adjacent sections or survey lines.	nd directions from
SEE REVER	SE	10	eague
OEE REVER	North	Abstract, No.	urvey
(Use reverse side if necessar	(y)	(NW\(\frac{1}{2}\) NE\(\frac{1}{2}\) SW\(\frac{1}{2}\) SE\(\frac{1}{2}\) of Section \(\frac{1}{2}\)	Township 1
TYPE OF WORK (Check):	4) PROPOSED USE (Check): Nomestic Industri	5) TYPE OF WELL (C	heck): Driven Dug
Reconditioning Plugging	Irrigation Yest We		Jetted Bored
WELL LOG: Diameter of hole 124 in. De	epth drilled 550 ft. 1	Depth of completed well 550 ft.	Date drilled 6-29-77
	Il measurements made from	ft.above ground level.	
From To Descript	tion and color of	9) Casing: NO CAS, WASE 7 Type: Old New Steel	Plantin Orban
	ation material		Plastic Other
20-80 SAN	- Spil - LAIRAE		t. toft.
7-1	111.	Diameter Setting (inches) From (ft.) T	o (ft.) Gage
90-100 REG	CIAY	No Casing Sat	
100-110 SAX		,	
110-120 12Ed	GLAY AND SOMES	AND	
20-340 SANO	3 REGILAY	10) SCREEN: NONE	
340-30 420 HARD	SAND AND, RED G	Perforated	Slotted
420-460 Red L	LAY AND SAND	Diameter Setting	Slot
460-500 HARD SA	NO AND RED CLAY		o (ft.) Size
300-515 REDC/AY	AND SOME HAND SAND	No CASING SET	
115-550 Red Clay			
(Use reverse side, if n	ecessary)		
	th cement 60ft from	11) WELL TESTS:	
Straight wall Gravel packed	ther	Was a pump test made? Yes	If yes, by whom?
Under reamed Open Hol	e	Yield:gpm with	ft. drawdown afterhrs.
8) WATER LEVEL: Static level	d surface Date 1-29-77	Bailer testgpm with	ft.drawdown afterhrs.
Artesian pressure lbs. per sq		Artesian flow gpm	
Depth to pump bowls, cylinder, jet,		Temperature of water	
below land surface.		12) WATER QUALITY:	
		Was a chemical analysis made?	Yes 🔀
		Did any strata contain undesirable we Type of water? None dep	ater? Yes
	autifu that this wall was 4-311	ed by me (or under my supervision) and that	
NAME J. B. BRAGOR	If the statements herein are	true to the best of my knowledge and belie ater Well Drillers Registration No. 12	281
(Type or Print)	- O FI	PASO TI	EXAS
ADDRESS (Street or RFD)	(City	Roadfood Do-11:4	(State)
(Signed) . (Water W11 Dr.	iller)	(Compa ny Name)	
Please attach electric log, chemical	analysis, and other pertinent i	nformation, if available.	

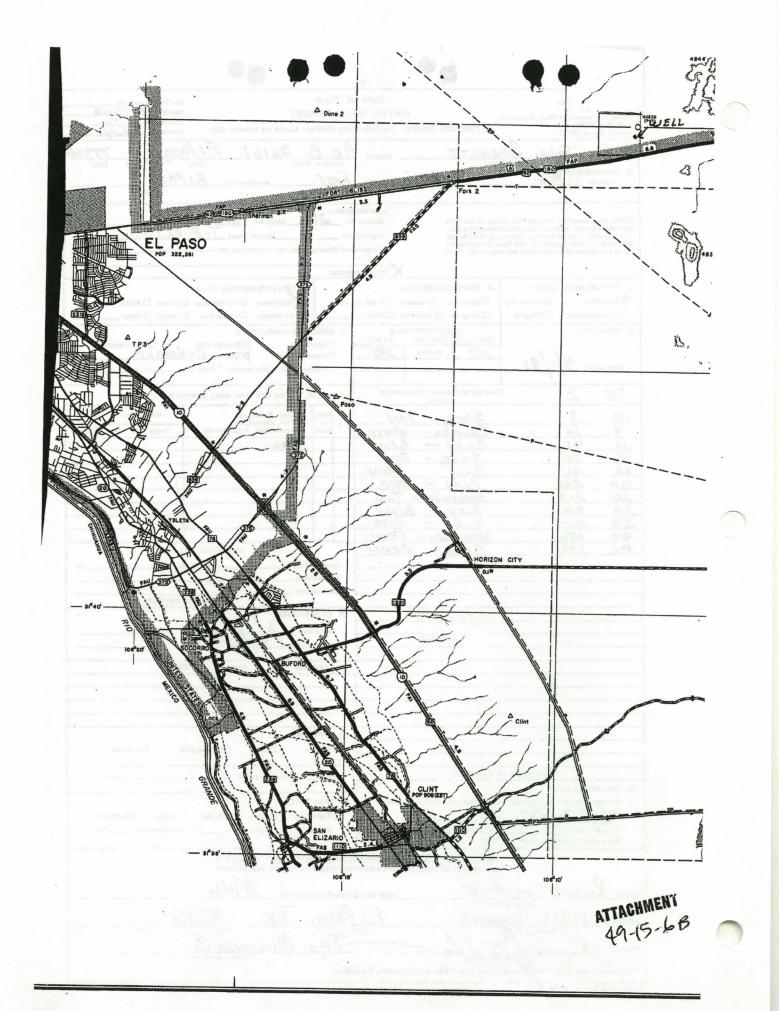
	SOCIONAL DE LA COLONIA DE LA C		
140	West Screening To parameter	\sim	-0-
	FÖRM 5-16428 (DEC. 58)	Wall to. JL-49-15-6	09
ONIG	WELL SCHI		
	U. S. BEFT. OF THE INTERIOR GEOLOGICAL		CES DIVISION
	MASTER CARD CUNKE 40	ies , i la	
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	State 7 Ex 98 County	EL PASO	J:4
AND PROPERTY.	Latitude: 2/ 9 0 07 N 5 Longitude:	Genes 12 WIN PAC 19	Sequential (
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	Local use: 33	Owner /+ O (15, 97)	730 Mun 43
	OFFICE STEPP HU	D. B Address WIELL	
	Ownership: County, Fed Gov't, City, Corp or Co, Private, State	(5) (U) Agency, Retas Dist	wet
The state of the s	The pf Ale cond, Hortling, Corm, Deunter, Power, Fire, Bon, 1	(I) (P) (N) (P) (R) (III, Ned, Ind., P-d; Rec.	
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	Use of (A) (D) (G) (E) (\$) (P) (A) Mall; Anode, Drain, Se(smic, Best Res, Cbs, Oil-gas, Recharge	e, Icat, Unused, Whehdpar, Waste, Des	(8)
	DATA AVAILABLE: Mott date Freq. W/L mean :	Tield aquife	
	Ryd. 1sb. data:	,	"
	Qual, water data; type;		
	freq. sampling:	ventory: no. partod:	*
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043	Life (A) (B) (C) (J) (L) (M) (M) (P) (Lype); air, busket, cert, jet, (cent.) (curb.) none, pisto	n, rot, coomer, ture, other	Desp Shallow
120	type): diesel erac, gas, gasoline, hand, gas, wind; H.Z.	Irans, or	40
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	WATER DATA Tree	oride Bard.	
	Ep. Geoduct E x 10 ⁶ Temp.	garphed pp	77
	Tante, color, etc.		" "
		49-15-6	

	FORN 3-10429 IDEC 581 WELL KO. 11-49-15-61
0 124 °	
0,-7.	WELL SCHEDULE PAUL HACIAS
	C. S. DEPF, OF THE INTERIOR GEOLOGICAL SURVEY WATER RESOURCES DIVISION
	MASTER CARD
	Lacord by DE Lathite of the OVE C Date 2/11/07 1 HTM R PALITA
	The state of the s
	Scale Tiex 4:5 GOUDEY 12 L PHSO FL
	Lactrude: 1, 3/9:9 0:6 0 6 0 6 5 5 Sequential
	Lac-long Scotters 13 min sac is security 13 min sac is
1370	vell number: J/ - 49-15-6:11 Diber 368
	Local use: Cunet
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	OVER OF HATE STATE AND AND STATE OF ANTIQUES AVE
	Quantity; County, Fed Cov't, City, Corp Co., Private, State Agency, Wasser list
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100 00	DATA AVAILABLE: Well date Freq. W/L meas.: Field squifer chir. 22
9-73	Hrd. Isb. data:
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	766
	Fred, sampling: Tympage inventory: no: period: 76
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	15 care: D 2.06 0 -632
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	Tests, color, etc.
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	do in
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Texas . It are		State WATER W	ELL	REF	PORT		For TDWR Well No.	use only _	- 4B
P. O. Box 13087 Austin, Texas 78711	ATTENTION OWN	ER: Confiden	tiality	Privil	ege Notice on Revers	Side	Located on Received: _	map Ya	ES
1) OWNER JOHN B	ARNETT	Address .	P.C). E	3. 26161	Elt	A50.	TV	799
2) LOCATION OF WELL:	12	miles in _	-	reet or	RFD) .	(City	PASO	State)	(Zip)
			(N.E	., S.W	., etc.)	NIII — ((Tov	vn)	Brie
Driller must complete the legal descrip with distance and direction from two tion or survey lines, or he must locate well on an official Quarter- or Half-Sc General Highway Map and attach the	and identify the	Legal de Section Abstrac	ct No		Block NoSurvey Nam	T-P	RR Co	2	
		See attac							
3) TYPE OF WORK (Check):	4) PROPOSED USE (C		9		51 DRILLING METHO	D (Check)	•	-	
New Well Deepening Reconditioning Plugging	☐ Domestic ☐ Indus	strial Public S	Supply	0	Mud Rotary A	r Hammer	Driven 🗆	Bored	
6) WELL LOG:	DIAMETER OF	HOLE		BORE	HOLE COMPLETION:	Die 1001 .	□ Jetted □	Other	1000
Date drilled 9/1/8/	Dia. (in.)/O From (ft.) /// Surface	To (ft.)	- 1	Ope	n Hole Str	aight Wall	vered u	Inderreame	ed
			1	If Gr	avel Packed give interval			. to	ft
1,47	Description and color of f material	formation	8) (ASIN	G, BLANK PIPE, AND I	VELL SCRE	EN DATA:		
0 3		TAN	Dia.	New	Steel, Plastic, etc. Perf., Slotted, etc.		Settin	g (ft.)	Gage
14 41	CLAV -	BRWN		Used	Screen Mgf., if com	mercial	From	То	Scree
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	SEP 0 3 1982		s	VATEI tatic le	R LEVEL:	and surfac	7.7		
			10) F	ACKE	RS: Type	D	epth		
			1	-	1111				
	A. A.	7	11) T	VPE	(IMP.				
	- 11		01	urbing	- 6	Submersible	e 🗆 (Cylinder	10
(Use reverse side	e if necessary)			046	pump bowls, cylinder, je	r, etc.,		ft.	
Did you knowingly penetrate any st water? Yes No If yes, submit "REPORT OF UNDE Type of water? Was a chemical analysis made?		esirable	ОТ	ELL Type Ti	PALL STREET		☐ Jetted	□ Estimat	
ME Richard Lee HODRESS 14925 MON	hereby certify that this with the statemen learner lea	ell was drilled b ts herein are tru Water Well Dr	e to the	best o	f my knowledge and bel	at ief 6	<i>'</i>		
(Street or RFD)	-61 -	(City)	T	6	Maria	ate)	(Zip)	
The state of the s			/ /	r	1 1111 VI JATV LA	2 (^			

DEPARTMENT OF WATER RESOURCES COPY

TDWR-0392 (Rev. 1-12-79)



Tenas Water Development Board Wall Schedule

				50		
River Busin RIO GRANDE 23 Zone 1 Les 31 49 5.9 Long	11	26	03	28	, Sound	1
Owner's Well No. McCRACKEN #32 Location1/4,1.4, Section Bit	ek .		, Sa	trvey		
The second secon						
Owner HOMESTEAD MUD Driller BAG DRI	LL	1 N	G	H		+
Address TenantiOper.				100		
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Well Cont	-		-	30 11		III
Conservacion Michael MUN ROTARY H Maserial STEEL 5						
Completone GRAVEL AACK G MANNING GALVANIZED G	874	ing or B & Screen on Hole	or Sla	pe (C)	ne (5)	- 4
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Vield Flow GPM Pump 30 GPM Mess Rept. For MEAS Day 11-13-50	य	6	5	12	5	5
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	TEXAS SATER GEVELOPMENT	DARD			
	SOLL SCHEDULE				
Aquifer	Field No.	State Well	No. 49-13	- and	
TestHole	Owner's Wall No. TH#3	County	de Pa	76-4-	
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2. Genera EPNG TK#3	Iddress:		180 -		!
Tenant:	kitireee:	81 13			
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4. Orillad: 7-23 1068	; Dug, Gable Took, Rotary,		CASTNE & WAR	FIRE	
5. Depth: Hept. 537 rs. Ness.		Dine.	Attenue Attenu	. 50	n.
6. Cumpletica: Open Hole, Streight Wall, Unde		(in.)	7774	Setting, from	Et.
7. Page: Mrgr.	Туре	, interest			
No. Stages, Bowls Dies.	in., Settingfs.				
Column Disk in., Longth)		-			
6. Motor: Fuel Make					
10. Performance Peyl: Date Langt	on, Mess., Rept., Set			100 mm	1
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Owner:

Jobe Materials, L.P.

Owner Well #:

5

Address:

1150 Southwest Drive El Paso , TX 79928

Grid #:

49-15-6

Well Location:

4300 Araceli

Latitude:

31° 49' 37" N

Well County:

El Paso , TX 79928 El Paso

Longitude:

106° 07' 53" W

Elevation:

4160 ft.

GPS Brand Used:

Lowrance globalmap

100

Type of Work:

New Well

Proposed Use:

Industrial

Drilling Date:

Started: 10/20/2005

Completed: 11/4/2005

Diameter of Hole:

Diameter: 23 in From Surface To 592 ft

Drilling Method:

Mud Rotary

Borehole Completion:

Gravel Packed From: 20 ft to 592 ft

Gravel Pack Size: 1/8

Annular Seal Data:

1st Interval: From 20 ft to 0 ft with 33 sacks cement (#sacks and

material)

2nd Interval: No Data 3rd Interval: No Data Method Used: tremmie Cemented By: R.L. Guffey,Inc

Distance to Septic Field or other Concentrated Contamination: No Data

Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data

Surface Completion:

Surface Slab Installed

Water Level:

Static level: 482 ft. below land surface on 11/12/2005

Artesian flow: No Data

Packers:

none

Plugging Info:

Casing left in well: Cement/Bentonite left in well:

From (ft) To (ft)

From (ft) To (ft) Cem/Bent Sacks Used

none

Type Of Pump:

Other: none

Depth to pump bowl: (No Data) ft

Well Tests:

Pump

Yield: 5 GPM with 105 ft drawdown after 1 hour

Water Quality:

Type of Water: 5000 tds (undesirable)

Depth of Strata: 112 ft.

Chemical Analysis Made: No Data

Did the driller knowingly penetrate any strata which contained undesirable

constituents: Yes

Naturally-occurring, poor-quality groundwater encountered.

Type: (No Data)

The driller did certify that while drilling, deepening, or otherwise altering the above described well, undesirable water or constituents was encountered and the landowner or person having the well drilled was informed that such well must be completed or plugged in a such a manner as to avoid injury or pollution.

Certification Data:

The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.

Company Information:

R.L. Guffey, Inc. P.O. Box 756

Mesilla Park, NM 88047

Driller License Number:

4680

Licensed Well Driller Signature:

Padraic Guffey

Registered Driller Apprentice Signature:

No Data

Apprentice Registration Number:

No Data

Comments:

No Data

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #72872) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157
Austin, TX 78711
(512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

From (ft) To (ft) Description
0-22 top soil, 22-37 coarse sand, 37-59 small gravel, 5976 sandy clay, 76-85 sand, 85-97 clay, 97-112 sandy
clay, 112-189 clay with small gravel embedded, 189-240
sandyclay,240-250 clay, 250-268 sand, 268-315
sandyclay,315-333 sand, 333-339 sandyclay, 339-343
sand, 343-347 sandyclay, 347-432 sand with caliche
streaks, 432-450 sandyclay, 450-461 sticky clay,461477 sand with caliche streaks, 477-493 sandyclay, 493499 sand, 499-507 clay, 507-529 sandyclay, 529-552
sand with caliche streaks,552-560 sandy clay, 560-599
hard rock

CASING, BLANK PIPE & WELL SCREEN DATA

Dia. New/Used Type Setting From/To 12 3/4 new .375 blank steel casing +3-312 12 3/4 new .312 roscoe moss sutter 312-592 screen 12 3/4 new .375 bullnose plug 592-594

Owner:

JOBE MATERIALS, L.P.

Address:

1150 SOUTHVIEW DR

EL PASO , TX 79928

4300 ARECELI EL PASO, TX 79928

Well County:

Well Location:

Elevation:

El Paso

No Data

Owner Well #:

Grid #:

49-15-6

#5

Latitude:

31° 49' 23" N

Longitude:

106° 07' 32" W

GPS Brand Used:

MAGELLAN

Type of Work:

Deepening

Proposed Use:

Industrial

Drilling Date:

Started: 6/14/2006 Completed: 6/20/2006

Diameter of Hole:

No Data Diameter: 10 in From 592 ft To 1100 ft

Drilling Method:

Air Hammer

Borehole Completion:

Annular Seal Data:

No Data

1st Interval: No Data 2nd Interval: No Data 3rd Interval: No Data

Surface Completion:

No Data

Water Level:

Static level: 460 ft. below land surface on 6/20/2006

Artesian flow: No Data

Packers:

No Data

Plugging Info:

Casing or Cement/Bentonite left in well: No Data

Type Of Pump:

Submersible

Depth to pump bowl: 840 ft

Well Tests:

Yield: 75 GPM with (No Data) ft drawdown after (No Data) hours

Water Quality:

Type of Water: UNDESIRABLE 5000 TDS

Depth of Strata: 855 ft. Chemical Analysis Made: No

Did the driller knowingly penetrate any strata which contained undesirable

constituents: Yes

Naturally-occurring, poor-quality groundwater encountered.

Type: 5000 TDS

The driller did certify that while drilling, deepening, or otherwise altering the above described well, undesirable water or constituents was encountered and the landowner or person having the well drilled was informed that such well must be completed or plugged in a such a

manner as to avoid injury or pollution.

Certification Data:

The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.

Company Information:

SKINNER DRILLING

PO BOX 544

ALPINE, TX 79831

Driller License Number:

2838

Licensed Well Driller Signature:

WALTER SKINNER

Registered Driller Apprentice Signature:

No Data

Apprentice Registration Number:

No Data

Comments:

BOREHOLE AND SURFACE WERE COMPLETED BY PRIOR DRILLER.

REFER TO REPORT #72872.

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #89984) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

CASING, BLANK PIPE & WELL SCREEN DATA

From (ft) To (ft) Description 592 745 TAN LIMESTONE 745 825 TAN SANDSTONE 825 1050 RED GRANITE 1050 1100 BLACK METABASALT

No Data

Send origina	L conv. b.				Ctar	-4 -	26				
Send original copy by Certified mail to the Texas Department of Water Resources P. O. Box 13087 Austin, Texas 78711 ATTENTION OWNER: Confident Co				of Texas		For TDWR	se only	7-9A			
						Located on I	map ye	2			
1) OWNER	E.	W. McC				0640 1		Received:			
2) LOCATIO				Take !	Address	(Street or	orth Loop El Pa	aso, Texas)7 (Zip)	
County		El Pa	280	15	miles in .	East	direction from			(2.0)	
				120	190	(N.E., S.W	., etc.)	(Tow	n)		
Driller must c	omplete the li	egal descrip	ption to the rig	ht	Legal de Section	escription: 9	Block No. 6	Publ	ic Sch	001	
well on an off	icial Quarters	or Half-Sa	intersecting sec and identify that ale Texas Coun	he		ct No. 667			20 0011	001	
General High	vay Map and a	ttach the	map to this for	m.	Distan	ce and direction	on from two intersecting section or	survey lines O	ne mil	е	
				146 7	□ See atta	th of Mor	otano Ave. on 5200, A	O'shea St	reet.		
3) TYPE OF				SED USE (Ch		dansi	5) DRILLING METHOD (Check):	Maria I		
New Well Reconditi	The state of the state of	Deepening			rial Public		Mud Rotary Air Hammer	☐ Driven ☐	Bored		
6) WELL LO		lugging			ell Other_		☐ Air Rotary ☐ Cable Tool	☐ Jetted ☐	Other		
-,			Dia. (in.)				HOLE COMPLETION: n Hole		9111	-93	
	7 6 07		12 4	Surface	315-		n Hole Straight Wall vel Packed Other	☐ Underreamed			
Date drilled	7-6-83	- 11-11	STEEL STATE		313	If G	ravel Packed give interval from		to _ 515	ft.	
From (ft.)	To (ft.)		Description an		rmation	8) CASIN	G BI ANY BIRE AND WELL OF				
0	4	r-		material	T CASE		G, BLANK PIPE, AND WELL SCR	EEN DATA:	- 1		
4	26		rey sandy			Dia. New or Used	Perf., Slotted etc.	Setting	g (ft.)	Gage Casing	
26	30	Wh	ite calc	he & gra	vel	65/8 N	Steel Blank	From	435	Screen	
30 33	33		ed clay				The second second	+	427	-219	
83	83 89		ed clay	gravel		65/8 N	Steel Milslot	435	515	.250	
89	112		ey sand &	gravel			.080"X 3"X 24 slots	per ft.	1- 3		
112	115	re	d clay		-			-	2016		
115	139		ey course	sand &	gravel						
139	167		d clay								
167	235	re	d sand		-	CEMENTING DATA					
235	241 red clay			THE PERSON NAMED IN	Cemented fromft. toft. Method used						
241	286		rey sand w/ clay stks.			Cemented by					
297	415		red clay hard red clay			(Company or Individual) 9) WATER LEVEL:					
4 15	425		ey sand w	CONTRACTOR OF THE PARTY OF	tke	1					
425	430	red	d clay	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	o valo s		evel 392 ft. below land surf				
430	443 447		ey sand		(A) (B) (B) (A)	Artesian flow gpm. Date					
447	481		ey sand	DIE		TE APK	ERS: Type	Depth			
481	486		clay	JU		U	2 t a a s 101				
486	515	gre	y sand	J	UL 2119	83					
						-	a by but			-	
				WATE	RESON	RCES urbin	PUMP:				
705-077	1. 85	and the	1000	200				ble 🗆 c	ylinder	10	
	(Use	reverse sid	le if necessary)			Denth to		111			
3) WATER Q		- 12,8	AT THE PARTY AND	THE PERSON NAMED IN	-	Depth to	pump bowls, cylinder, jet, etc.,	441	ft.		
Did you kn		rate any et	trata which cor	tained under	irable	12) MELL	TESTS				
water?	owingly penet	No.		tomed under	abic	12) WELL	15919:				
water?	Yes T	No	SIRABLE WA	TER"	VED -	☐ Type 7	est: Pump Bailer	☐ Jetted [☐ Estimate	ed	

bid you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☑ No If yes, submit "REPORT OF UNDESIRABLE WATER" Type of water? ☐ Good ☐ Depth of strata _425 = 515 Was a chemical analysis made? ☐ Yes ☑ No	12) WELL TESTS: ☐ Type Test: ②Fump ☑ Bailer ☐ Jetted ☐ Estimated Yield: ② gpm withft. drawdown after hrs.
each and all of the statements herein are t	by me (or under my supervision) and that true to the best of my knowledge and belief.
(Type or Print) Water Well	Drillers Registration No1391
ADDRESS Rt 1 Box 677 Anthony	
(Signed) Pat Coles (Water Well Driller)	AQUA DRILLING CO. (Zip)
P)ease attach electric log, chemical analysis, and other pertinent information, if av	(Company Name) ailable.
DEPARTMENT OF WAT	ER RESOURCES COPY

7									
Send original copy by certified mail to the Texas Department of Water Resource P. O. Box 13087 Austin, Texas 78711	es	State WATER W R: Confident	ELL	REF		For TDWR use Well No. 49 Located on ma Received:	.07.91	B Def	
1) OWNER Paso View 2) LOCATION OF WELL: County El Paso	Water Coop.	Address _	700 (St	10 C	Leary Rd FI	Paso, Tx	79; te) (936 Zip)	
County E1 Paso	18	miles in	noi (N.E	rthe I., s.w	east direction from E1	Paso (Town)	**** .		
Driller must complete the legal descri with distance and direction from two tion or survey lines, or he must locate well on an official Quarter- or Half-So General Highway Map and attach the	intersecting sec-	Abstrac	No		Block NoTo	wnship			
		☐ See attac	hed ma	p.					
3) TYPE OF WORK (Check): ✓ New WellDeepening ☐ ReconditioningPlugging	4) PROPOSED USE (Che	rial X Public S				r Driven Bored			
6) WELL LOG:	DIAMETER OF H		-	BORE	☐ Air Rotary ☐ Cable Tool HOLE COMPLETION:	☐ Jetted ☐ Ot	ther		
7/1/94	Dia. (in.) From (ft.) 15. 3/4 Surface	To (ft.)	- 1	Оре	en Hole Straight Wall wel Packed Other	☐ Underreamed			
Date drilled 7/1/84	County Process Comments		1000	If G	ravel Packed give interval from .			ft.	
From To (ft.)	Description and color of for material	rmation	8)	CASIN	NG, BLANK PIPE, AND WELL SCR	TEN DATA	7,6		
	top soil - red			New				1	
3=36	caliche - white	20 10	Dia. (in.)	or Used	Perf., Slotted, etc.	Setting (To	Gage Casin Scree	
36-39	sand gravel -	tan			NONE .	From	10	Scree	
39-108	sand - tan		_		1947		-	1	
114 252	clay - rose		-		THE TAX THE	118			
0=0 =	clay - rose		-		CONTRACTOR OF THE PARTY OF THE				
	Idy - lose						12.1	-	
				-			Ae.		
NO WATER	EWE.				CEMENTING D	DATA	-		
- MILER	forther	4.304.3	C	emente	ed fromf		701	ft.	
	and Letter	Company of the Compan	M	lethod	used		340		
Pro-England to pro-Emp			Cemented by(Company or Individual)						
38%, 100000				9) WATER LEVEL: NONE					
The state of the s	water m. SEC, and or	resil	Static levelft. below land surface Date Artesian flowgpm. Date 10) PACKERS: Type Depth						
	The same and the same	D)-							
	JEGEINE			145		Бери	100		
	AUG-8 1984			The same					
DECE -				TYPE	PUMP:			-	
N	WATER DEAD			☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder					
	WATER RESOURCES			☐ Other					
13) WATER QUALITY:	(Use reverse side if necessary) 13) WATER QUALITY:			pth to	pump bowls, cylinder, jet, etc.,	41. 100.	ft.		
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes			12) WELL TESTS: . □ Type Test: □ Pump □ Bailer □ Jetted □ Estimated						
									Type of water?
	I hereby certify that this we	II was drilled to s herein are tre	y me (or und	der my supervision) and that of my knowledge and belief.				
NAME Richard Lee He	elms				ration No2146.	District in			
ADDRESS 14925 Montana									
ADDRESS (Street or AFD)		EI (City)	Pasc), T	(State)	936	Post Inc.		
(Signed) Supply (Signed)	Weller		T	he	Montana Ca	(Zip)	Lister		
Please attach electric log, chemical analys		mation if our	ilable.		Cômpany Name	,)			
	no, and other pertinent lines	mation, it avai	liable.						

TDWR-0392 (Rev. 1-12-79)



Send original copy by certified mail to the Texas Department of Water Resources P. & Box 13087 State of Texas For TDWR use WATER WELL REPORT Well No. . ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side Located on map Austin, Texas 78711 Received: Galindo Arcenio 1) OWNER_ 14645 Simpson El Paso, Tx. 79936 Address 2) LOCATION OF WELL: COUNTY El Paso (Street or RFD) (City) (State) miles in _ east El Paso _ direction from _ (N.E., S.W., etc.) ☐ Legal description: Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter or Half-Scale Texas County General Highway Map and attach the map to this form. Section No. Block No. Abstract No. . _ Survey Name _ Distance and direction from two intersecting section or survey lines See attached map. 3) TYPE OF WORK (Check): 4) PROPOSED USE (Check): 5) DRILLING METHOD (Check): ☐ Deepening X Domestic ☐ Industrial ☐ Public Supply X Mud Rotary □ Air Hammer □ Driven □ Bored ☐ Reconditioning ☐ Plugging ☐ Irrigation ☐ Test Well ☐ Other _ ☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other _ 6) WELL LOG: DIAMETER OF HOLE 7) BOREHOLE COMPLETION: Dia. (in.) From (ft.) To (ft.) Open Hole ☐ Straight Wall 14.75 ☐ Underreamed Surface 500. Gravel Packed Other __ Date drilled MArch _ft. to 500 If Gravel Packed give interval . . . from . 320 To (ft.) Description and color of formation material 8) CASING, BLANK PIPE, AND WELL SCREEN DATA: 5 Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial Red SANd Gage Casing Screen 5 20 chilu while From 20 68 SAND+ Gravel TAN 6 N steel 76 Clay Brown 6 N perforated 76 SAND BROWN CLAY BROWN SAND TAN 133 135 141 141 238 238 392 Clay Brown 342 396 SAND TAN 396 4/2 SAND Brown 412 421 CEMENTING DATA 443 CLAY BROWN 5 AND TAN 421 surface 15 Cemented from . 443 ft. to. 473 poured Method used ___ 433 7486 Clay Brown Cemented by The Montana Co. 486 496 SAND TAN (Company or Individual) 496 500 CLAY Brown 9) WATER LEVEL: Static level 370 ft. below land surface Date MAY 6, 86 10) PACKERS: Type Depth MAY 3 0 1986 11) TYPE PUMP: TEXAS WATER COMME ☐ Turbine ☐ Jet X Submersible ☐ Cylinder Other. (Use reverse side if necessary) Depth to pump bowls, cylinder, jet, etc., 13) WATER QUALITY: Did you knowingly penetrate any strata which contained undesirable 12) WELL TESTS: S.No If yes, submit "REPORT OF UNDESIRABLE WATER" ☐ Type Test: ☐ Pump Bailer ☐ Jetted ☐,Estimated Type of water? Depth of strata. 5 gpm with 2 ft. drawdown after 3 hrs. ☐ Yes Was a chemical analysis made? Lhereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief 25 -Water Well Drillers Registration No. (Type or Print) **ADDRESS** (Street or RFD) (City) (State) (Zip) (Water Well Driller) (Company Name) Please attach electric log, chemical analysis, and other pertinent information, if available.

Owner: Address:

El Paso Water Utilities

1154 Hawkins Blvd.

El Paso , TX 79961

McGregor Range

El Paso, TX 79961

Well County:

Well Location:

El Paso

Elevation:

No Data

Latitude: Longitude:

Grid #:

Owner Well #:

31° 59' 50" N 106° 06' 23" W

GPS Brand Used:

No Data

TW-3

49-08-1

Type of Work:

New Well

Proposed Use:

Test Well

Drilling Date:

Started: 5/10/2003

Completed: 7/28/2003

Diameter of Hole:

Diameter: 8 3/4 in From Surface To 39 ft Diameter: 6 1/4 in From 39 ft To 1075 ft Diameter: 5 1/8 in From 1075 ft To 2894 ft

Drilling Method:

Mud Rotary

Borehole Completion:

Open Hole

Annular Seal Data:

1st Interval: From 0 ft to 39 ft with 10 cement (#sacks and material) 2nd Interval: From 0 ft to 1075 ft with 114 cement (#sacks and material)

3rd Interval: No Data

Method Used: Pressure Grout Cemented By: Stewart Brothers

Distance to Septic Field or other Concentrated Contamination: No Data

Distance to Property Line: No Data

Method of Verification: n/a Approved by Variance: No Data

Surface Completion: Surface Slab Installed

Water Level:

Static level: No Data

Artesian flow: No Data

Packers:

No Data

Plugging Info:

Casing or Cement/Bentonite left in well: No Data

Type Of Pump:

No Data

Well Tests:

No Data

Water Quality:

Type of Water: No Data Depth of Strata: No Data

Chemical Analysis Made: No

Did the driller knowingly penetrate any strata which contained undesirable constituents: No

Certification Data:

The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for

completion and resubmittal.

Company Information: Stewart Brothers P. O. Box 3891

Milan, NM 87021

Driller License Number: 3175

Licensed Well
Driller Signature:

William Brunson

Registered Driller Apprentice No Data

Apprentice Signature:

Apprentice Registration Number: No Data

Comments:

\$dfs

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #35818) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

CASING, BLANK PIPE & WELL SCREEN DATA

From (ft) To (ft) Description 0 90 Tan Sand 90 425 Clay Linterbald with Sand/ Silt 425 629 Conglomerate 629 710 Conglomerates w/Clays 710 900 Shale Drk to Blk 900 1280 Limestone with Shale 1280 1315 Igneow Intrusion 1315 2050 Limestone 2050 2230 Limestone Interbedded with Shale 2230 2894 Dolomite

Dia. New/Used Type Setting From/To 7 New Steel 0 39 .375 5 9/16 New Steel 39 1075 .188

Owner: Address: El Paso Water Utilities

1154 Hawkins Blvd.

El Paso , TX 79961

McGregor Range

El Paso, TX 79961

Well County:

Well Location:

El Paso

Elevation:

No Data

Longitude:

Latitude:

Grid #:

106° 06' 45" W

Test Well #1

31° 59' 20" N

49-08-1

GPS Brand Used:

Owner Well #:

No Data

Type of Work:

New Well

Proposed Use:

Test Well

Drilling Date:

Started: 3/10/2003

Completed: 3/31/2003

Diameter of Hole:

Diameter: 8 3/4 in From Surface To 686 ft

Diameter: 6 1/4 in From 686 ft To 2300 ft

Drilling Method:

Mud Rotary

Borehole

Completion:

Open Hole

Annular Seal Data:

1st Interval: From 0 ft to 686 ft with 168 (#sacks and material)

2nd Interval: No Data 3rd Interval: No Data

Method Used: Pressure Grouted

Cemented By: Stewart Brothers Drilling

Distance to Septic Field or other Concentrated Contamination: No Data

Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data

Surface Completion:

Surface Slab Installed

Water Level:

Static level: No Data

Artesian flow: No Data

Packers:

No Data

Plugging Info:

Casing or Cement/Bentonite left in well: No Data

Type Of Pump:

No Data

Well Tests:

No Data

Water Quality:

Type of Water: No Data

Depth of Strata: No Data

Chemical Analysis Made: No Data

Did the driller knowingly penetrate any strata which contained undesirable constituents: No

Certification Data:

The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for

completion and resubmittal.

Company

William Brunson

Information:

P. O. Box 2067 Milan , NM 87021

Driller License

3175

Number:

3173

Licensed Well Driller Signature:

William Brunson

Registered Driller

er

No Data

Apprentice Signature:

.. - .

Apprentice Registration Number: No Data

Commente

\$dfs

Comments:

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

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Please include the report's Tracking number (Tracking #63632) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

CASING, BLANK PIPE & WELL SCREEN DATA

From (ft) To (ft) Description 0 40 Med. to Fine Sand 40 90 Med. to Fine Sand with Gravel 90 110 Med. to Fine Light Brown 110 170 Sand Fine to Medium 170 210 Light Brown Sand 210 260 Clay 260 300 Clayey Silt 300 380 Silty Clay 380 490 Clayey Silt 490 690 Lost Circulation 690 1090 Limestone 1090 1340 Shaley Limestone 1340 1360 Siltstone 1360 1500 Shale 1500 1510 Limestone 1510 1580 Clay Stone 1580 1610 Shale

1610 1730 Limestone Interbeded

1730 2300 Limestone

Dia. New/Used Type Setting From/To 7 New Steel 0 686

Owner: Address: El Paso Water Utilities

1154 Hawkins Blvd. El Paso , TX 79961

McGregor Range

El Paso, TX 79961

Well County:

Well Location:

El Paso

Elevation:

No Data

Grid #:

Owner Well #:

Latitude:

31° 59' 20" N

Longitude:

106° 06' 45" W

GPS Brand Used:

No Data

PH-01

49-08-1

Type of Work:

New Well

Proposed Use:

Test Well

Drilling Date:

Started: 5/26/2003

Completed: 8/6/2003

Diameter of Hole:

Diameter: 8 3/4 in From Surface To 575 ft

Diameter: 6 1/4 in From 575 ft To 785 ft

Drilling Method:

Mud Rotary

Borehole

Completion:

Open Hole

Annular Seal Data:

1st Interval: From 0 ft to 575 ft with 95 cement (#sacks and material)

2nd Interval: No Data 3rd Interval: No Data

Method Used: Pressure Grout Cemented By: Stewart Brothers

Distance to Septic Field or other Concentrated Contamination: No Data

Distance to Property Line: No Data

Method of Verification: n/a Approved by Variance: No Data

Surface

Completion:

Surface Slab Installed

Water Level:

Static level: No Data

Artesian flow: No Data

Packers:

No Data

Plugging Info:

Casing or Cement/Bentonite left in well: No Data

Type Of Pump:

No Data

Well Tests:

No Data

Water Quality:

Type of Water: No Data Depth of Strata: No Data

Chemical Analysis Made: No

Did the driller knowingly penetrate any strata which contained undesirable constituents: No

Certification Data:

The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller

understood that failure to complete the required items will result in the log(s) being returned for

completion and resubmittal.

Company

Stewart Brothers

Information:

Box 3891

Milan, NM 87021

Driller License Number: 3175

Licensed Well

William Brunson

Driller Signature: Registered Driller ······aiii Dialisoi

Apprentice Signature: No Data

Apprentice Registration

No Dete

Registration Number:

No Data

Comments:

\$dfs

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #35834) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

CASING, BLANK PIPE & WELL SCREEN DATA

From (ft) To (ft) Description 0 120 Reddish Sand/Silt 120 474 Reddish Clay with Silt 474 517 Siltstone 517 575 Conglomerate 575 785 Dark Blk to Gn. Shale Dia. New/Used Type 7 New Steel 0 575 .025

Setting From/To

Owner:

El Paso Water Utilities

Owner Well #:

Test Well #2

Address:

1154 Hawkins Blvd. El Paso , TX 79961

Grid #:

49-08-1

Well Location:

McGregor Range El Paso, TX 79961

Latitude:

31° 59' 14" N

Well County:

El Paso

Longitude:

106° 06' 32" W

Elevation:

No Data

GPS Brand Used:

No Data

New Well

Type of Work:

Proposed Use:

Test Well

Drilling Date:

Started: 4/9/2003

Completed: 5/9/2003

Diameter of Hole:

Diameter: 8 3/4 in From Surface To 583 ft

Diameter: 6 1/4 in From 583 ft To 972 ft

Drilling Method:

Mud Rotary

Borehole

Completion:

Other: (No Data)

Annular Seal Data:

1st Interval: From 0 ft to 583 ft with 105 (#sacks and material)

2nd Interval: No Data 3rd Interval: No Data

Method Used: Pressure Grout

Cemented By: Stewart Brothers Drilling

Distance to Septic Field or other Concentrated Contamination: No Data

Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data

Surface

Completion:

Surface Slab Installed

Water Level:

Static level: No Data

Artesian flow: No Data

Packers:

K Packers 551'

Plugging Info:

Casing or Cement/Bentonite left in well: No Data

Type Of Pump:

No Data

Well Tests:

No Data

Water Quality:

Type of Water: No Data

Depth of Strata: No Data

Chemical Analysis Made: No Data

Did the driller knowingly penetrate any strata which contained undesirable constituents: No

Certification Data:

The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for

completion and resubmittal.

Company

William Brunson

Information:

P. O. Box 2067 Milan, NM 87021

Driller License Number:

3175

Licensed Well **Driller Signature:**

William Brunson

Registered Driller

Apprentice Signature:

No Data

Apprentice Registration

No Data

Number:

Comments:

\$dfs

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #63635) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

CASING, BLANK PIPE & WELL SCREEN DATA

From (ft) To (ft) Description 0 140 Sand Light Brown 140 320 Clay 320 390 Sand 390 430 Silty Sand 430 450 Conglomerate 450 460 Silty Sand 460 500 Conglomerate 500 510 Silt 510 850 Conglomerates

Dia. New/Used 7 New Steel 0 583 4 1/2 New Steel 551 972 1/8" Setting From/To

850 972 Bed Rock Limestone w/Shales





Send original copy by										
considired				State	of '	Теха	s			
certified mail to the Texas Department of P. O. Box 13087	Water Resourc			WATER W				For TDWR I		
Austin, Texas 78711							ilege Notice on Reverse Side	Located on r Received:		
1) OWNER	808	MEC	ord6	Address .	;	70	or Hisacle Lang	A PAS	משנים	79935
2) LOCATION OF W	ELL: 0.45.	Nama)	4.		(S	treet c	or RFD) (City	() (S		Zip)
County	C PASE		10	miles in _	(N.	E., S.V	V., etc.)	EZPA:		
Driller must complete	the legal descri	otion to the ric	aht	Legal de						
tion or survey lines or	he must least	intersecting se	c-	Abetra	1 NO	y.	Block No Tow	vnship		
well on an official Quar General Highway Map a	rter- or Half-Sc	ala Tayor Care	- 4				on from two intersecting section or su			
							on nom two intersecting section of st	irvey lines		
3) TYPE OF WORK (Chack):	41 00000	255	☐ See attac	hed m	ар.	mapon 49	-12-1	BB	
	Deepening		SED USE (Ch	eck): ial 🗆 Public S			5) DRILLING METHOD (Check):			
	☐ Plugging	☐ Irrigatio	on Test W	ial □ Public S ell □ Other _	Supply		Mud Rotary Air Hammer	☐ Driven ☐	Bored	
6) WELL LOG:			METER OF H		-	POR	☐ Air Rotary ☐ Cable Tool	☐ Jetted ☐ (Other	
		Dia. (in.)	From (ft.)	To (ft.)			EHOLE COMPLETION: en Hole Straight Wall			
Date drilled 3-	10-01	1241	Surface				avel Packed Other	Ur	nderreamed	
Date drilled	10-81	12/14	0	509	-	If G	iravel Packed give interval from _	10 ft.	to 50-	1 ft.
From To (ft.)		Description ar	nd color of for	rmation	8)	CASII	NG, BLANK PIPE, AND WELL SCRE			
			material					EN DATA:		
2-17		liche			Dia.	New or Used	Perf., Slotted, etc.	Setting	(fţ.)	Gage Casing
17-28	Cal	chelola			6"	Used	To to the state of	From	То	Screen
28 - 90	SAI				6"	1	Steel (blank)	1	405	250
90 - 100		D/clay			64		millslot 0.060 star steel (blank)	915	415	.250
100 - 125	SAn				6"		millsloto:060 steel	425	435	1250
125-147	Calich	elsanol	chay		6"		Steel (blank)	435	450	1250
147-160	Clay	SAND			64	_	millslota060 steel	450	460	,250
185-215	Clay	elay			60		Steel (blank)		489	1250
24-300					6"		Stol (blank EMENTING DA	489	499	1200
300 - 305	SAND				1	om on t	ed fromft.		504	1360
305 - 390	Clay 15	AND					usedft.	to	10	ft.
	Olay (1		ed by Mu	LAS		
390 - 405		-			1		1-			
105 - 426	Olay /s	CAND			- 01	10/4 = 1	(Company or	Individual)		
	SAND						R LEVEL:			
105 - 126 126-130	Olay /s					Static	ER LEVEL: level 109 _ft, below land surfac		3 - 30 -	81
105 - 426 126 - 430 130 - 451	SAND OLAY IS	CAND		,		Static	R LEVEL:		3 - 30 -	81
105 - 126 126 - 130 130 - 151 151 - 156 156 - 158	SAND SAND Olay IS SAND Clay	Clay		,	,	Static	ER LEVEL: level	ce Date	3 - 30 -	·&/_
105 - 126 126 - 130 130 - 151 151 - 156 156 - 158 158 - 469	SAND Olay IS SAND SAND Clay Clay	Clay SAND FINE	= /sans	Course	,	Static Artesia	ER LEVEL: level	ce Date	3 - 30 -	·&/_
105 - 126 126 - 130 130 - 151 151 - 156 156 - 158	SAND Olay IS SAND SAND Clay Clay	Clay	F / SANS	Course	,	Static Artesia	ER LEVEL: level	ce Date	3 - 30 -	·&/
105 - 126 126 - 130 130 - 151 151 - 156 156 - 158 158 - 469	SAND Olay IS SAND SAND Clay Clay	Clay SAND FINE	E /SAND	(ourse	,	Static Artesia	ER LEVEL: level	ce Date	3 - 30 -	-81
105 - 126 126 - 130 130 - 151 151 - 156 156 - 158 158 - 469	SAND Olay IS SAND SAND Clay Clay	Clay SAND FINE	E / SANS	Course	10)	Static Artesia PACK	ER LEVEL: level	ce Date	3 - 30 -	-8/
105 - 126 126 - 130 130 - 151 151 - 156 156 - 158 158 - 469	SAND Olay IS SAND SAND Clay Clay	Clay SAND FINE	F / SANS	Course	11)	Static Artesia PACK TYPE	ER LEVEL: level	Date	3 - 36 -	
105 - 126 126 - 130 130 - 151 151 - 156 156 - 158 158 - 169 169 - 172	Olay /s SAND Olay /s SAND / Clay Clay /s Clay /s	CAND Clay SAND FINA (SAND	E /SANS	Course	11)	PACK TYPE Turbii Other	ER LEVEL: level	Date		
105 - 126 126 - 130 130 - 151 151 - 156 156 - 158 158 - 169 169 - 172	Olay /s SAND Olay /s SAND Clay Clay Clay Clay	CAND Clay SAND FINA (SAND	E /SAND	(ourse	11)	PACK TYPE Turbii Other	ER LEVEL: level	Date		
105 - 126 126 - 130 130 - 151 151 - 156 156 - 158 158 - 469 169 - 172 172 - 504	Olay (SAN) SAN) SAN) Clay	Clay SAND Find SAND Find a if necessary)			10) 11) De	PACK TYPE Turbin Other	ER LEVEL: level	Date		
105 - 426 126 - 430 130 - 451 151 - 456 156 - 458 158 - 469 169 - 472 172 - 504 13) WATER QUALITY: Did you knowingly p water?	Olay (SAND Olay (SAND SAND Clay Clay Clay Clay Sereverse sid	SAND Find SAND Find SAND a if necessary)	atained undesi		10) 11) De	PACK TYPE Turbin Other	PUMP: pump bowls, cylinder, jet, etc.,	Date	ylinder ft.	b
105 - 126 126 - 130 130 - 151 151 - 156 156 - 158 158 - 469 169 - 172 172 - 504 (()	Clay (SAND) SAND SAND SAND Clay Clay Clay Clay Clay Clay Clay Clay	SAND Find SAND Find SAND Find SAND a if necessary) rata which cor SIRABLE WA Depth of stra	atained undesi TER"		10)	PACK TYPE Turbin Other pth to	PUMP: ne Jet Submersib pump bowls, cylinder, jet, etc., TESTS: Pump Bailer	Date	ylinderft.	b
105 - 126 126 - 130 130 - 151 151 - 156 156 - 158 158 - 469 169 - 172 172 - 504 13) WATER QUALITY: Did you knowing! p wate?	C/AY	SAND FINAL SAND FINAL SAND FINAL SAND SIRABLE WAD Depth of straleyes	otained undesi TER" ata No	rable	10) 11)	PACK TYPE Turbii Other pth to NELL Type Yield:	PUMP: ne	Date	ylinderft.	b
105 - 126 126 - 130 130 - 151 151 - 156 156 - 158 158 - 469 169 - 172 172 - 504 (() () () () () () () () () (Olay (SAND Olay (SAND SAND SAND Clay Clay Clay Clay Clay Clay Clay Clay	SAND Find SAND Find SAND Find SAND a if necessary) rata which cor SIRABLE WA Depth of stra Yes	TER" ata No	rable	10)	TYPE Turbin Other pth to	PUMP: ne Jet Submersib pump bowls, cylinder, jet, etc., TESTS: Pump Bailer	Date	ylinderft.	b
105 - 126 126 - 130 130 - 151 151 - 156 156 - 158 158 - 469 169 - 172 172 - 504 (() () () () () () () () () (Clay (SAND Clay (SAND SAND SAND SAND SAND SAND SAND SAND	SAND Find SAND Find SAND Find SAND a if necessary) rata which cor SIRABLE WA Depth of stra Yes	TER" ata No	rable was drilled b herein are tru	11) Dec 12) Vyme (e to th	PACK TYPE Turbin Other pth to NELL Type Yield:	PUMP: ne	Date	ylinderft.	8
105 - 126 126 - 130 130 - 151 151 - 156 156 - 158 158 - 169 169 - 172 172 - 509 183) WATER QUALITY: Did you knowing! y pwater?	Olay /s SAND Olay /s SAND SAND Clay Clay Clay Clay Clay Clay Clay Clay	e if necessary) rata which cor SIRABLE WA Depth of stra Yes hereby certifich and all of t	TER" ata No	rable	11) Dec 12) Vyme (e to th	PACK TYPE Turbin Other pth to NELL Type Yield:	PUMP: ne	Date	ylinderft.	8
105 - 126 126 - 130 130 - 15/ 157 - 156 156 - 158 158 - 169 169 - 172 172 - 509 183) WATER QUALITY: Did you knowingly p water?	Olay /s SAND Olay /s SAND SAND SAND Clay Clay Clay Clay Clay (Clay Clay Clay Clay Clay Clay Clay Clay	e if necessary) rata which cor SIRABLE WA Depth of stra Yes hereby certifich and all of t	TER" ata No	rable I was drilled b herein are tru	11) De 12) \ y me (e to th	PACK TYPE Turbin Other pth to NELL Type Yield:	PUMP: ne	Date	ylinderft. ☐ Estimated	b
105 - 426 126 - 430 130 - 451 151 - 456 156 - 458 158 - 469 169 - 472 172 - 509 183 184 185	Olay /s SAND Olay /s SAND SAND Clay Clay Clay Clay Clay Clay Clay Clay	e if necessary) rata which cor SIRABLE WA Depth of stra Yes hereby certifich and all of t	TER" ata No	rable was drilled b herein are tru	11) De 12) \ y me (e to th	Static Artesia	PUMP: I pump bowls, cylinder, jet, etc., gpm withft. of my knowledge and belief. I pump low. I pum	Date	ylinderft. ☐ Estimated	b
105 - 426 126 - 430 130 - 451 151 - 456 156 - 458 158 - 469 169 - 472 172 - 509 183 184 185	Olay SAND Olay SAND SAND Clay Clay Clay Clay Clay Clay Clay Clay	e if necessary) rata which cor SIRABLE WA Depth of stra Yes hereby certifich and all of t	TER" ata No	rable I was drilled b herein are tru	11) De 12) \ y me (e to th	Static Artesia	PUMP: ne	Date Date Date Date Date Date Date Date	ylinderft. ☐ Estimated	b
105 - 126 126 - 130 130 - 15/ 157 - 156 156 - 158 158 - 169 169 - 172 172 - 509 183) WATER QUALITY: Did you knowingly p water?	Clay Sand Clay Sand Clay Clay S	clay SAND SAND a if necessary) rata which cor SIRABLE WA Yes whereby certifich and all of the cort sint) All Driller)	TER" ata No y that this wel	rable Il was drilled b herein are tru Water Well Di	10) 11) De 12) V rillers f	Static Artesia	PUMP: I pump bowls, cylinder, jet, etc., gpm withft. of my knowledge and belief. I pump low. I pum	Date Date Date Date Date Date Date Date	ylinderft. ☐ Estimated	b

ATTENTION CHYNER: Confidentiality Privilege Notice on Reverse Side

State of Texas **WELL REPORT**

Texas Water Well Drillers Board P.O. Box 13087 Austin, Texas 78711

					-					iotili, leads /	0/11
1) OWNER CLINT IND.	SCHOOL D	ISTRICT	ADDR	FSS	WE	T.T. #3	DITTCCED				
2) LOCATION OF WELL:	(Name)			L 33		(Street or R	FD)		(City)	(State	1 (71-1
County _E1 Paso		. 1	miles to			-				(State	e) (Zip)
County <u>E1 Paso</u>	_ '	4	miles if	'—	(NE, S	W. etc.)	direction from	El	Paso		
Driller must complete the legal descrip	tion below with	distance and dir	ection from two	Interes	atlan an				(10	wn)	
Quarter- or Half-Scale Texas County C	eneral Highwa	y Map and attack	h the map to this	form	cung se	con or surve	y lines, or he mu	ust locate	and identify the	e well on an	official
LEGAL DESCRIPTION:											
Section No Block Distance and direction from two in	No	Township		At	stract I	Vo.	Cua.	ou No.			
The state of the s	tersecting secti	on or survey line	s				Surv	ey Nam	е		
T SEE ATTACHED MAP							1				
3) TYPE OF WORK (Check):	T						/.				
New Well Deepening		OSED USE (Ch					5) DRILLI	NG MET	HOD (Check):		☐ Driven
Reconditioning Plugging	□ Dom					ublic Supply	 Mud □	Rotary	☐ Air Hamm	er 🔲 Jetted	☐ Bored
	☐ Irriga	ition 🖾 Test	Well Inje	ction		e-Watering	☐ Air R	lotary	☐ Cable Too	Other	
6) WELL LOG:	DIA	METER OF HO	LE		7) BC	PREHOLE CO	MPLETION:				
Date Drilling:	Dia. (in.)	From (ft.)	To (ft.)		-	Open Hole	☐ Straig	nht Wall	Пи	derreamed	
Started <u>Aug 27</u> 1989	8"	Surface	700'			Gravel Packe		-		derreamed	
Completed <u>Aug 30</u> 1989					-If G	aravel Packed	give interval			to	
									* "	. 10	π.
From (ft.) To (ft.)	escription and	color of formatio	n material		B) CA	SING, BLANK	PIPE, AND W	ELL SCI	DEEN DATA		
0 6 6					New	Steel, Pla					
	and aliche			Dia.	or	Perf., Slot	ted etc		Settin) (ft.)	Gage
			_	(in.)	Used	Screen M	fg., If commercia	al	From	To	Casting Screen
		Steaks o	f Gravel			NONE					
	andy Red	Clay									
7.07	ed Clay										
	andy Red		-6.6								
11	andy Red	Streaks of	or Gravel								
222	ed Clay	CIAY		9) CEI	MENTING DA	TA [Rule 287.4	44(1)]			
	ard Red	Clan			Cen	nented from _	ft. to _		ft. No. of Sad	ks Used	
	side il necessa					_	ft. to _		ft. No. of Sac	ks Used	
13) TYPE PUMP:	D	EUE	VE	-	Com	nod used	-::				
☐ Turbine ☐ Jet ☐	Submersible	☐ Cylinder	O A TE		Cell	nented by					
☐ Other			-	1 /10)) SIID	FACE COMP	ETON				,
Depth to pump bowls, cylinder, jet, et	c.,	DCI n 5	1989	1							
14) WELL TEXTS		-				Pitless Adanta	ace Slab Installe Used [Rule 2	a (Rule	287.44(2)(A)]		
14) WELL TESTS:	17000000 a					Diproved Alter	native Procedur	107.44(3)	(B)]		
Type Test: Pump B	aller al-Min	SHATER E	timated	-		+	TIGUE F TOOS GUI	9 O260	[Hule 287./1]		
Yield: gpm with	ft. drawdo	own after	hrs.	11) WAT	ER LEVEL:				1 6	
15) WATER QUALITY:			1.				ft. belov	v land su	idace Da	te <u>9/1/8</u>	
Did the drilling penetrate any strata w	hich contained	undesirable cons	stituents?			lan flow		gpm			
Yes X No If yes, submit	REPORT OF	JNDESIRABLE	WATER -								
Type of water?	Depth of strat			12)	PACI	KERS:		Туре	9	Depth	
Was a chemical analysis made?	Yes N									Depai	
											-
hereby certify that this well was drilled by me nat failure to complete Items 1 thru 15 will res	(or under my s	upervision) and	that each and all	of the	statem	ents herein are	true to the hee	t of my l	mauda d		-
		_	or completion an	d result	omittal.			t or my k	vnowledge and	belief. I under	stand
OMPANY NAME <u>LARJON DRILL</u>		PANY		WELL	DRILLI	ER'S LICENSI	ENO. 297	1W			- 1
	or print)		٠.								
DDRESS 5210 STERN DRIVE	ED)	·	LAS	CRUC	ES			NM		88001	
(Street or F	(נטיו		· <u>·</u>	(City)			,	(State)	(Zip)	
(Licensed V	Voll Deliter			Signe	d)						
- U (Licensed V	ven Driller)					-	(Register	ed Drille	r Trainee)		
ease attach electric log, chemical analysis, a	nd other pertine	ent Information H	f available		En	TWC use and	ly: Well No. 4	19-15	· di)		
WD-012 (Rev. 09/21/88)	Mark Street				1,0	. THE USE ON	y. VVBII NO	, 13	Located	on map	









Send original copy by

State of Texas

Texas Department of Water Resource P. O. Box 13087 Austin, Texas 78711	ATTENTION OWNER	ATER W : Confiden				Reverse Side	Well No Located on m Received:	49 -1	5-61 0M
1) OWNER O.R. Boker			52	200	O Shea Ro	FI Do		700	
	(Name)	_ Address _	(S	treet	or RFD)	(Cit	so, Tx.	799	36 (Zip)
2) LOCATION OF WELL: County El Paso	17	_ miles in _	(N.I	st E., s.v	V., etc.)	ction fromE1			
Driller		☐ Legal des	criptio	n:					
Driller must complete the legal descri with distance and direction from two		Section	No		Block No	To	wnship		
well on an official Quarter or Half-So	and identify the	Abstrac	t No.		Surve	y Name			
General Highway Map and attach the	map to this form.	Distanc	e and o	directi	on from two inter	secting section or s	survey lines		
		X See attac	hed ma	ap.	48-15-6	. 4			
3) TYPE OF WORK (Check):	4) PROPOSED USE (Chec			_		METHOD (Check)			
New Well Deepening	☐ Domestic ☐ Industria		lunnly						
☐ Reconditioning ☐ Plugging	☐ Irrigation 🛣 Test Well	Other_	арріу		Air Botary	☐ Air Hammer ☐ Cable Tool	□ Driven □ B	ored	
6) WELL LOG:	DIAMETER OF HO		_	BOR	EHOLE COMPLET		□ Jetted □ 0	ther	
	Dia. (in.) From (ft.)	To (ft.)	1		en Hole		Π.,		. 1
Date drilled12/27/84	Surface	500			avel Packed	☐ Straight Wall	ugged	derreamed	1
Date drilled			1	If C	Gravel Packed give			0	ft
From To	Description and color of form		+-						
(ft.) (ft.)	material	nation	8)	CASI	NG, BLANK PIPE,	AND WELL SCR	EEN DATA:		
0 . 6	Sand - red		Dia.	New			Setting	(ft.)	Gage
6 28	EXXX caliche-		(in.)	or Used	Perf., Slotter Screen Mgf.,	d, etc. , if commercial	From	To	Casing
28 49 49 57	sand/gravel -	tan					From	10	Scree
49 57	clay - brown						1		+-
57 84	sand - tan								+
84 111 111 208	clay - brown								
111 208 208. 242	sand - tan clay - brown		-						
242 256	sand - tan						-		
256 307	clay - brown						-		-
307 314	sand - tan					CEMENTING D	1		
314 388	clay - brown		C	mant	ad from				
388 398	sand - tan		м	ethod	ed from	tt.	to		ft.
398 410	clay - brown				ed by				
410 413 413 445	sand (water)					(Company o	or Individual)		
445 446	clay - brown sand (water)				ER LEVEL:				
446 454	clay -brown				levelf		ce Date		
454 46k	Hard clay - br	OWn	. ,	Artesia	an flow	gpm.	Date		
461 486	clay - brown	OWII	10)	PACK	ERS:	Туре	Depth		
486 487	sand (water)								
487 : 500	clay - brown								
		_							-
	DEGETV	E 1							
	10)	101	_		PUMP:				10
	JAN 29 198	5		Turbi		☐ Submersib	ole 🗆 Cy	linder	
(Use reverse sid				Other					
3) WATER QUALITY:	DEPT. OF		De	pth to	pump bowls, cylin	nder, jet, etc.,		ft.	
Did you knowingly penetrate any st	tratWATER RESOUR	CES	12) V	VELL	TESTS:				
water? ☐ Yes	SIRARI E WATER"			Туре		☐ Bailer	□Jetted □	Estimated	
Type of water?	Depth of strata		,	Yield:		withft.	_		-
Was a chemical analysis made?	Yes No						artar,		
	I hereby certify that this well a ach and all of the statements h	was drilled by nerein are tru	y me (d	or und	ler my supervision) of my knowledge	and that and belief.			
AMERichard Lee Hel	ims v	Vater Well Dr			2	146			
ODRESS14925 Monta	rint)	El Pas		-3.00		Ту 7000	06		
(Street or BFD)	111	(City)	-/			Tx. 7993 (State)	(Zip)		
gned) Rungt	Selly-		Th	e M	ontana Co	mpany			
(Water V						(Company Name)			
ease attach electric log, chemical analys	is, and other pertinent inform	ation, if availa	able.						- 1



DUP

Send original copy by			UU	111313	1	JUP
certified mail to the Texas Water Development Board	St	ate of Texas	(5.77		For TWD Well No	B use only . 49-15-2A
P. O. Box 13087 Austin, Texas 78711	TAME	D HILL DEPOSE		77. CF	Located	on map 1269
Austin, lexas /8/II	WATE	ER WELL REPORT	FIN ES	7:37 7056	, Receive	d:
1) OWNER:	0040					
Person having well drilled	SS&G INC	Add:	ess_/	1000 M	Ontana A	VE, RPASO,
Landowner	SAME			c or KFD)	(City)	(State)
(1	Vame)	Addı	(Street	or RFD)	(City)	(State)
2) LOCATION OF WELL:					(011)	(State)
County EL PASO			AST	direction fro	OM_ ECPA	150
Locate by sketch map showing land	marks, roads, creeks.		S.W., etc.			(Town)
niway number, etc.* C. molen	Boo'l 1	adj	acent secti	ons or survey 1	ances and direction	ns from
Г	2-	Lab	or		League	
14 21 117	KRAE North	Blo	ck Scho	1 BIKG		
62-180 K 2.1m-7					survey	
(Use reverse side if nece	F(689)	1	tract No		1	
Control of the contro	ssaly) .	(NW	k nek swk s	Et) of Section	3372 FAL #2	313 FWL
3) TYPE OF WORK (Check): X New Well Deepening	4) PROPOSED USE (Ch	neck):		5) TYPE OF W	ELL (Check):	
	*Domestic In	ndustrial M	nicipal	Rotary	Driven	Dug
Reconditioning Plugging	Irrigation T	est Well 0	her	Cable	Jetted	Bored
6)WELL LOG:	10-			L		
Diameter of hole 1274 in.	Depth drilled 493	ft. Depth of co	mpleted we	11_ 493	ft. Date drille	ed 8-30-79
	All measurements made from	0.	_ft.above	ground level.		
	ription and color of	9) Casing				
	ormation material	Type:	01d	XNew XStee	el Plastic	Other
0-4 SAND	165-230- clay/s	And Cement	ed from	0	ft. to	50 ft.
4-15 Caliche	230-241- clay/cali			Settin	ng	
15-36 SAND	241-323 - Hard Calk	heldlay s7		From (ft.)	To (ft.)	Gage
36-38 caliche	323 - 352 - clay /SAn	1 6 78		12	400	250W
38-59 SAND	352-375- Hard da	63/8		910	970	250W
59-69 calichelelayIsan			COD	190	493	2500
69-73 SAND			6980	D mill	5/04	
	403-434- SANDIC	Danfan	ated		X Slotted	
	434-446 - SAND 1	Helay		Settin		
79-84 SAND	196 - 456 - Herd cla	y Sand (inches)	From (ft.)	To (ft.)	Slot Size
89-136 clay/sand	456-493- SANd/c	lay 698	00	400	910	-060
36 - 165 clay / gravel / san	d	698	00	470	790	1060
(Use reverse side if	necessary)					1000
) COMPLETION (Check):		11) WELL	TESTS:			
Straight wall Cravel packed	Other	Was a	pump test	made? Yes	No If yes.	, by whom?
Under reamed Open Ho	ole					, -,
) WATER LEVEL:		Yield:		_gpm with	ft. drawdown a	afterhrs.
Static level 364 ft. below 1	ind surface Date 8-30-7	Bailer Bailer	test	_gpm with	ft.drawdown ai	fter hrs.
Artesian pressurelbs. per s	quare inch Date		an flow			
Depth to pump bowls, cylinder, jet	, etc.,	ft. Temper	ature of wa	iter		
below land surface.						
		12) WATER Q Was a		alysis made?	Yes .	No
		Did an	y strata co	ontain undesirab		
					_depth of strata	
I hereby o	ertify that this well was dr					
each and a	Il of the statements herein a	are true to the	under my su best of my	pervision) and t knowledge and be	that elief.	
				tration No		
(Type &r Print)	,					-
ADDRESS 10058 (Street of WD)	LOOP EZ	PASO		7	x 79927	
	(Ci	rey)	/	- ,	(State)	
Gigned) (Water Well Dr	iller)		LICAS	Drofton	Co.	
				(company Nam	ie)	
ease attach electric log, chemical	analysis, and other pertinent	information, i	f available			



Send original copy by certified mail to the DEPT. OF For TWDB use only
Well No. 49 - 15 - 2A
Located on map 40 Texas Water Development Board P. O. Box 13087 WATER RESQUEDE Austin, Texas 78711 WATER WELL REPORT Received: Person having well drilled 19000 Montana Ave. ELPASo SAME (Street or RFD) (City) (State) 2) LOCATION OF WELL: County EL PASO EAST miles in direction from_ EL PASO (N.E., S.W., etc.) Locate by sketch map showing landmarks, roads, creeks, hiway number, etc.* Give legal location with distances and directions from adjacent sections or survey lines. - 500° KEAG 3 m. League Block School BIK6 North 142.1 m 62-180 Abstract No. reverse side if necessary) (NWL NEL SWL SEL) of Section 4109 FAL \$ 3.526 FWL (659) 3) TYPE OF WORK (Check): New Well De 4)PROPOSED USE (Check): X Domestic Industr 5) TYPE OF WELL (Check): XRotary Drive Deepening Industrial Municipal Driven Dug Reconditioning Plugging Irrigation Test Well Other Cable Jetted Bored 6) WELL LOG-1414 Diameter of hole in. Depth drilled 500 ft. Depth of completed well 500 ft. Date drilled 9-20-79 All measurements made from 0 _ft.above ground level. Description and color of 9) Casing: (ft.) (ft.) formation material Type: 01d Steel Plastic Other 0-4 SAND 468-474 Clay Cemented from ft. to 50 4-8 caliche 474-500 SANDICIAY Diameter (inches) 8-30 Gravel To (ft.) Gage 8 98 OD 406 30-200 SAND , 250 W 8-580D 916 200 - 370 SAND/C/AY 158 ZSOW 8-9800 250 W 370-406 Olay Isand Type N: 406-416 SAND Perforated 416-424 Clay >Slotted Diameter Setting 424 - 430 SAND Slot (inches) From (ft.) To (ft.) Size 430 - 438 Clay 8-480D 406 416 060 438-468 SAND/clay - 48 OD 458 468 060 8-9800 11) WELL TESTS: (Use reverse side if necessary)
7) COMPLETION (Check): 476 496 .060 X Straight wall X Gravel packed Other Was a pump test made? No If yes, by whom? Under reamed gpm with _ft. drawdown after _ 8) WATER LEVEL: Static level 376 ft. below land surface Date 9-20-79 Bailer test gom with ft.drawdown after Artesian pressure_ lbs. per square inch Date Artesian flow_ Depth to pump bowls, cylinder, jet, etc., Temperature of water below land surface. 12) WATER QUALITY:
Was a chemical analysis made? Did any strata contain undesirable water? Type of water? depth of strata hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. Water Well Drillers Registration No. ADDRESS PASO (Signed) Please attach electric log, chemical analysis, and other pertinent information, if available. *Additional instructions on reverse side.

-1.										
Send original copy by	,		State	of '	Texa	•				
Certified mail to the Texas Department of Water Resource	15	,	WATER W					For TDWR us Well No. 49	e only	
P. O. Box 13087 Austin, Texas 78711	ATTENT	ION OWNE	R: Confiden	tiality	Privi	ilege Notice on F	Reverse Side	Located on m	ap VES	
Ro. 1		_				A	- A	Received:	Rug	
1) OWNER DRYAN	Name)	Kuiz	Address _	142	4	DENNIS	EIPA	150, TX	7992	25
2) LOCATION OF WELL.	vaine,	18				r RFD)	(City	(Sta	te) (Z	Zip)
County El PASO		10	miles in _	(N	575	7 direc	tion from £/	PASO		
						v., etc.)		(Town)		
Driller must complete the legal descrip	tion to the ri	oht	☐ Legal des		on:	7	10	2		
tion or survey lines or he must locate	intersecting se	ec-	Section	10000		Block No	Tow	00 -	211 6	
well on an official Quarter- or Half-Sci General Highway Map and attach the	de Tower Cour	-4.	Dietana			Surve	y Name	KK Su	RVEY	
The second secon	nap to this to	rm.	820	'E	AS T	5ec /	ecting section or su 8 1730'	Na OTIL	500	20
			See attac	hed m	ар.		7,00	IVOEIA	عود ۽	20
3) TYPE OF WORK (Check):		SED USE (Ch				5) DRILLING	METHOD (Check):			
New Well Deepening	☐ Domes	tic 🗆 Industr	ial 🗆 Public S	upply			☐ Air Hammer	☐ Driven ☐ B	ored	
☐ Reconditioning ☐ Plugging	☐ Irrigati	on Test We	ell 🗆 Other _			☐ Air Rotary	☐ Cable Tool	☐ Jetted ☐ O	ther	
6) WELL LOG:	DIA (in)	METER OF H		7)	BORE	HOLE COMPLET				,
-1 i	14 3/4	From (ft.) Surface	To (ft.)			en Hole	Straight Wall	□ Unc	lerreamed	
Date drilled 9/25/8/	1111	Currece	520	1		vel Packed	Other Co	VEREDU	P	
1				1	If G	ravel Packed give i	nterval from	ft. to		ft.
From To (ft.)		nd color of for	rmation	01	CACIA	UC DI ANIX DIDE				
		material		0)	T	TO BLANK PIPE,	AND WELL SCRE	EN DATA:		
0 6	SAND	- Red)	Dia.	New	Steel, Plastic Perf., Slotted	, etc.	Setting	ft.)	Gage
6 34	CAlic	be-u	ht.	(in.)	Used	Screen Mgf.,	if commercial	From	То	- Casing Screen
34 60		6 RAVE		1						
60 80 80 90		-BRU	2 Al	-	-					
80 90 90 120		- TAN	10/	-	-					
120 200	SAN	N- 72	1	-	-					-
200 212	CIAL	- BRi	UN							-
212 245	SAN) - TA								-
245 249	SANI	STONE	-Wh+				×			_
249 261	CIA	4-BR	Way				CEMENTING DA	TA		
261 275 275 288	SAA	D-TA	~	С	emente	ed from	ft. t	to		ft.
288 305	SAN	9-BEC	UN				-			
305-318	CIA	11 - BRU		С	emente	ed by	(Company or	Individual		
318 - 365	SA	ND- TA	1	9)	WATE	R LEVEL:	To ampuny or	morvidual)		
365 - 520	CH	TV-BA	PUN		Static	laval O				
		1				an flow	t. below land surfac gpm.			
							gp///.	Date		
				10)	PACK	ERS:	Type D	epth		
		1804								
	acP	03 120								
	SEI	114411						·		+
		CKITO		1.1)	TYPE	PUMP:				10
					Turbii		☐ Submersible	e 🗆 Cv	lin dan	
		4		_	Other		- Gobineralbi	с цсу	inder	
(Use reverse side	e if necessary)			De	pth to	pump bowls, cylin	nder, jet, etc.,		ft.	
WATER QUALITY:			-							
Did you knowingly penetrate any st water? Yes No	rata which co	ntained undesi	irable	12) 1	WELL	TESTS:				
If yes, submit "REPORT OF UNDE					Type	Test: Pump			Estimated	
Type of water? Was a chemical analysis made?	Depth of str	ata No			Yield:	gpm (withft. d	rawdown after	hrs.	.
es	hereby certif	y that this we	Il was drilled b	y me (or und	ler my supervision)	and that			\dashv
AME RICHARD	Hel	m\$	_Water Well Di			of my knowledge	and belief.			
DDRESS 14925 N	20 NT	ANA	E)	PA	riegistr	ation No	, ,	79621		
(Street or 9 FD)	11.	2	(City)	//S	n	/	(State)	17726 1 (Zip)		
igned) Market (Water W	Sell/Briller)	-		/	he	MON	TANA (0.		
ease attach electric log, chemical analysi		artinont !-f-	matin = 15	ab I.			(Company Name)			
allalys	e, and other p	er timent intori	mation, it avail	anie.						- 1

Send original copy by certified mail to the Texas Department of Water Resources State of Texas For TDWR use only
Well No. 49-15-20 WATER WELL REPORT P. O. Box 13087 Austin, Texas 78711 ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side Located on map. Received: 1) OWNER. A50 2) LOCATION OF WEL (City) (Zip) KAST PASO County _ direction from (N.E., S.W., etc.) ☐ Legal description: Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form. Section No._ Block No. Township Abstract No. _Survey Name _ Distance and direction from two intersecting section or survey lines See attached map. 3) TYPE OF WORK (Check): 4) PROPOSED USE (Check): 5) DRILLING METHOD (Check): New Well ☐ Deepening Domestic Industrial Public Supply Mud Rotary Air Hammer Driven Bored Reconditioning ☐ Plugging ☐ Irrigation ☐ Test Well ☐ Other_ ☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other_ 6) WELL LOG: DIAMETER OF HOLE 7) BOREHOLE COMPLETION: From (ft.) Open Hole Straight Wall ☐ Underreamed Gravel Packed Other _ Date drilled If Gravel Packed give interval . . . from ft. From (ft.) Description and color of formation To (ft.) 8) CASING, BLANK PIPE, AND WELL SCREEN DATA: SAND- Rei New Steel, Plastic, etc. Dia. Setting (ft.) Gage Perf., Slotted, etc. Screen Mgf., if commercial 2 19 Aliche - WHT SAND - TAN Used From Screen 19 210 SAND -Teel 210 22 lay- BRWN 221 235 SANO - TAN Clay - BRWN 235 238 25 SAND-TAN 251 Clay-BRUN 282 282 294 PANO-TAN 294 328 1AU-BRUN 328 336 SAND-TAN CEMENTING DATA 332 370 1Ay-BRN Cemented from 370 _ft. to. 315 SANO-TAN Clay-BRUN 375 376 Cemented by . 376 38 SAND-TAN (Company or Individual) 381 490 1Ay-BRWn 9) WATER LEVEL: NO WATE _ft. below land surface Date Artesian flow 10) PACKERS: Type Depth MAY 27 1983 DEPT. OF WATER RESOURCES 11) TYPE PUMP: ☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder Other_ (Use reverse side if necessary) Depth to pump bowls, cylinder, jet, etc., 13) WATER QUALITY: Did you knowingly penetrate any strata which contained undesirable 12) WELL TESTS: water? Yes □ No If yes, submit "REPORT OF UNDESIRABLE WATER" ☐ Pump ☐ Bailer ☐ Jetted ☐ Estimated Type of water? _ Depth of strata. gpm with _ _ft. drawdown after _____ hrs. ☐ Yes Was a chemical analysis made? □ No I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. Water Well Drillers Registration No ADDRESS Please attach electric log, chemical analysis, and other pertinent information, if available.

100	*	4	80
P.1 *			



DUP

Send original copy by		State	of '	Теха			NU NU	//
Texas Department of Water Resource	es .	WATER W			_		For TDWR use only	
P. O. Box 13087 Austin, Texas 78711	ATTENTION OWNER					Reverse Side	Located on map YES	
Magain	Maria			4		Teverse side	Received:Rug	
1) OWNER /NARCIA/	MENDIZABA	C Address _	6.	330	Geige	er El	PASO, TX 7	199 15
2) LOCATION OF WELL:	(Name) 18		(S	treet c	rRFD)	(City)		(Zip)
County ~ PASU		miles in	F.	A5-	direc	tion from EII	A50	
			(14.1	=., S.V	v., etc.)		(Town)	
Driller must complete the legal descri	ntion to the right	Legal des	criptic	n:	7 Block No	/		
with distance and direction from two tion or survey lines, or he must locate	interconting and	Section	No		Block No	Town	nship	
I Well on an official Quarter- or Half-Sc	ale Teves County	Abstrac	t No		Surve	y Name	RR SURVE	i/
General Highway Map and attach the	map to this form.	Distance	and (irecti	on from two inters	secting section or sur	rvey lines 30012	EAST
	d.	See attach	ned ma	ap.	700.7	WETH S	20. JO	
3) TYPE OF WORK (Check):	4) PROPOSED USE (Che	eck):			5) DRILLING	METHOD (Check):		
New Well Deepening			vlaau				7	
Reconditioning Plugging	☐ Irrigation ☐ Test We	ell 🗆 Other			Air Botany	☐ Air Hammer ☐	□ Driven □ Bored □ Jetted □ Other	
.6) WELL LOG:	DIAMETER OF H		_	RORE	HOLE COMPLET		Jetted U Other	
	Dia. (in.) From (ft.)	To (ft.)			en Hole	Straight Wall	·	1
10/1/21	15-3/4 Surface	455		Gra	vel Packed	Other		
Date drilled			-	If G	ravel Packed give i	nterval from _O	275 ft. to 45	3- "
From To	Description and sales of fe							71.
(ft.) (ft.)	Description and color of for material.	mation	8)	CASI	IG, BLANK PIPE,	AND WELL SCREE	N DATA:	
0 6	SAND- Rei)	Dia.	New	Steel, Plastic	, etc.	Setting (ft:)	1
6 30	CALICHE -	DHITO	(in.)	or Used	Perf., Slotted	i, etc.		Gage Casing
30. 105	SAND-GRAVE	1-TAN	6	N	-	SIOTTED	From To	Screen
105 165	SAND-TAN	/	4	-	11113/10	SIGITED	0 45	2
165 182	Clay - BRO							+-
182 215 215 245	SAND-TAN							+
215 245 245 210	CIAY-BRU							1
270 273	SAND-TA	W Do						
213 307	SANDSTONE SAND-TA		_					
307 315	CIAY-BRA							
312 360	SAND-TA		_			CEMENTING DAT	ΓA	
360 374	Clay-BR				ed from used		0	ft.
374 318	SAND-TA	W			ed by			
318 385	CIAY-KE				,	(Company or I	Individual)	
385 396 (WATE					R LEVEL:			
391. 400 400 400	CIAY - BRW	W		Static	level <u>360</u> ft	. below land surface	Date	
406 420	SAND-TAN	-				gpm.	Date	
H20 H2/2	SALLO-TAG	7	10)	2401				
421, 435	CIAU- ER	WN	10)	PACK	ERS:	Type De	pth	
435 438	SAND-TAI	V						
438 455	CLAU- BRU	N						
								-
	LLLEIVIE		11) 7	TYPE	PUMP:			10
		1982		Turbir	ne 🗆 Jet	Submersible	☐ Cylinder	
	SEP US			Other		Accommendate	□ Cylinder	
(Use reverse side	if necessary)	LIVE	De	pth to	pump bowls, cylin	der, jet, etc., 4	41 ft	
3) WATER QUALITY:	CIV.	-					•	
Did you knowingly penetrate any st water? Yes No	de to	1			TESTS:			
If yes, submit "REPORT OF UNDE	SIRABLE WATER			Type		•	Jetted	d
Type of water?	_ Depth of strata		. '	rield:	/0 gpm v	vithOft. dr	awdown afterhrs	s.
	0 06%				,			
a la ea	hereby certify that this well ach and all of the statements	was drilled by	me (or und	er my supervision)	and that		
0 10 3	[Pal .]		to til	ne2(or my knowleage a	and Deliet.		
AME	LE Helms	Water Well Dri	llers F	legistr	ation No.	146		
111GA F	int)	1	-,	/	2 -			
DDRESS 14925	IDNTANA	L	/	1	450,	/ × .	79936	,
(Street or HFD)	1/1	(City)	_	7	00	(State)	2 (Zip)	_
igned) // Maler W	Jeff Driller)		_/	re	MON	TANA (0.	
ease attach electric log, chemical analysi		ation if wall-	hla		T.	(Company Name)		
		, ii avalla	DIC.		J / 2	19-15-2	191	- 1

Send original copy by certified mail to the Texas Water Development Board P. O. Box 13087 Austin, Texas 78711		of Texas		Well No Located Receive	B use only - 49-15-5 on map yes
11.					
1) OWNER: Person having well drilled Be	ob O'Kelley	Address 120	OD BLOCK	Manton	1
1	(Name)	(Street	or RFD)	Montona (City)	(State)
Landowner SAME	ne)	Address		City)	*
2)LOCATION OF WELL:	ile)	(Street	or RFD)	(City)	(State)
County & PASO	,	les in EAST	direction fro	m & PAS	0
Locate by sketch map showing landma		(N.E., S.W., etc.			(Town)
Locate by sketch map showing landme hiway number, etc.*	Petty Fields Rd	adjacent section	ation with dista ons or survey li	nces and directions.	ons from
62-180 Montana Ave	ZZMi-7 TPetty-Fields Rd				
	659 North				
₹ ā	11890SA Rd			Survey	
(Use reverse sade if necess	75	Abstract No			
Thecess	ary)	(NW\ NE\ SW\ SI	致) of Section		
3) TYPE OF WORK (Check): New Well Deepening	4) PROPOSED USE (Check) Commestic Indust		5) TYPE OF W	ELL (Check):	
Reconditioning Plugging	Domestic Indust Irrigation Test		KRotary	Driven	Dug
6)WELL LOG:	Trigation lest	Well Other	Cable	Jetted	Bored
Diameter of hole /2 in.	Depth drilled 500 ft.	Denth of completed and	. 200		0
				ft. Date drill	ed_ <i>8-2-77</i>
	All measurements made from	ft.above g	round level.		
DESCLI	ption and color of mation material	9) Casing: Type: 01d	Xvew XStee	1	
0-z-Top Soil	160 - 3/0 - C/a - /500		MIEW MSTEE		Other
2-7-Calichi	210 AT SALLA			ft. to	ft.
7-7-0116/11	508- 450- SANDICLAY	Diameter (inches)	Settin From (ft.)	To (ft.)	
7-20-Calichi & L. Hle day			₹ Z '		Gage
20-29-Sand	938-500-Clay SAA	64	_	470	250W
24-28-Clay		6	190'	200	250W
28-42- Gravel Sand & cla	4	10) SCREEN:			
42-60 - Clay sand		TypeSTA	INLESS	STEEL	
60-140- Gravel Iclay Isan	1 .	Perforated W	IRE WOUNT	> Slotted	
140-152- SAND		Diameter	Settin		
			From (ft.)	To (ft.)	Slot Size
152-240 - Li Hle Clay 15A	and	9"	470'	490'	0.010
240-260 - HARD CAY				3	
(Use reverse side if n	ecessary)				
7) COMPLETION (Check):		11) WELL TESTS:			
Straight wall	Other	Was a pump test m	ade? Yes	No If yes	, by whom?
Under reamed Open Hold	e .				
8) WATER LEVEL:		Yield:	_gpm with	7 ft. drawdown	afterhrs.
Static level 385 ft. below land	surface Date 8-2-77	Bailer test	_gpm with	ft.drawdown a	fterhrs.
Artesian pressurelbs. per squ	mare inch Date	Artesian flow			0
Depth to pump bowls, cylinder, jet,	etc., 472 ft.	Temperature of wa	ter		
below land surface.		12) WATER QUALITY:			
		Was a chemical an		(Yes)	No
		Did any strata co	ntain undesirabl	e water? Yes	
		Type of water?		depth of strata_	
I hereby cer	tify that this well was drille of the statements herein are	d by me (or under my su	pervision) and t	hat	
NAME GARY LUCA		ter Well Drillers Regist		11ef. 1690	
(Type or Print)				, , , ,	
ADDRESS OF 8 (Street or RFD)	(City)	PASO	7	X 7992	7
Signed)	len	Lucas	Della	no Co	
(Water Werl Dril	ler)	,	(Company Nam	e)	
lease attach electric log, chemical an	alysis, and other pertinent in	formation, if available.			
Additional instructions on reverse sid					







Send original copy by certified mail to the Texas Department of Water Resources P. O. Box 13087

State of Texas WATER WELL REPORT

Texas Water Well Drillers Board P. O. Box 13087

Austin, Texas 78711	ATTENTION OWNER:	Confident	tiality	Privil	ege Notice on R	Peverse Side	Austin,	Texas 78711	1
1) OWNER Enrique	Ortiz	. Address _	146	73	Cassid	VDr A	L Paso	Tos	79921
2) LOCATION OF WELL:	Name)		(S	treet or	RFD)			(State)	(Zip)
County EL Paso	County	miles in _	12	n	/£ direct	tion from £	L Pasi) Tex	AS
		7		,	., 616.)			Town)	
Driller must complete the legal descrip	ation to the right	Legal des Section		n: 6	Block No	۵.	Township <u>&</u>	1 Per	Tax
with distance and direction from two tion or survey lines, or he must locate	and identification	Abstrac				Name J		Driss	
well on an official Quarter- or Half-Sc General Highway Map and attach the	ale Texas County map to this form.	Distance	e and c	directio	n from two inters				E/
	г	See attack							
3) TYPE OF WORK (Check):	4) PROPOSED USE (Check		neu ma	ip.					
New Well Deepening	Domestic Industrial		unnly		5) DRILLING N				
☐ Reconditioning ☐ Plugging	☐ Irrigation ☐ Test Well		арріу		■ Mud Rotary □ Air Rotary	☐ Cable Too	ner Driven	☐ Bored	
6) WELL LOG:	DIAMETER OF HO		7)	BORE	HOLE COMPLET		Jetted	U Other	
	Dia. (in.) From (ft.)	To (ft.)	- 1	Ope	n Hole	Straight Wa	al)	☐ Underream	ned
Date drilled March 30, 1984	Surface	480	۱ ا		el Packed	Other			
77 TO 17 10 17 10 17 10 17 10 17 10 17 10 17 10 17 10 17 10 17 10 17 10 17 10 17 10 17 10 17 10 17 10 17 10 17			1	If Gr	ravel Packed give in	nterval fro	m <u>380</u>	_ft. to _4/	80 ft.
From To (ft.)	Description and color of forms	ation	8)	CASIN	G, BLANK PIPE,	AND WELL S	CREEN DATA	Δ:	
0 4	Sand			New	Steel, Plastic,				1-
4 6	Calich!		Dia. (in.)	or Used	Perf., Slotted	, etc. I, etc. if commercial	-	etting (ft.)	Gage Casing
6 12	Clay - Calichi		6"	New	Steel	commorcial	4 3		Screen !/4
12 18	Clay		6"	New		otted	437		
18 51 51 68	Gravel								777
68 78	Gravel-Sand	· Clay		\vdash					
78 180	Sand			-					
180 255	Sand - Cla	/							+
255 273	Clay-Sand								-
273 291 291 296	Hard Clay					CEMENTING	DATA		
296 305	Sand			emente				50	ft.
305 326	Hard Chy			ethod (^	- fre	m Top	2	
326 342	Sand - Clay	,	C	emente	a by	(Compar	y or Individua	al)	
342 346 346 378	Calichi				R LEVEL:				$\overline{}$
378 4//0	Clay	,	5	Static le	evel 380 ft	. below land st	urface Date	3-30	-84
410 414	Clay Sand		,	Artesia	n flow	_ gpm.		9	
414 427	Clay	5 <i>y</i>	10)	PACKE	RS:	Туре	Depth		
427 430	Hard Cle	41/			Non		Depth		
430 450	Clay San	1			.,,				
450 452	Hard Cha	V							
462 D) & G	El VE In la	V							-
4/62 4/80 1	Sund			TYPE F Turbin		m/-			
MA	V-21094			Other_		2 Subme	ersible	Cylinder	
(Use reverse side	if necessary)				pump bowls, cylin	der, jet, etc.,	440	ft.	.
	PT. OF	-							
	RESOURCES undesiral	ble	-		TESTS:				
If yes, submit "REPORT OF UNDE Type of water?	SIRABLE WATER" Depth of strata			Type T Yield:		☐ Bailer	☐ Jetted	☐ Estima	
	Yes No			Y leld: _	gpm v	vith	ft. drawdown	after 72	hrs.
l ea	hereby certify that this well w ach and all of the statements he	vas drilled by erein are true	y me (e	or unde	er my supervision) of my knowledge a	and that			
COMPANY NAME B 4 6 D.		Water Wel				307			
ADDRESS 10044 Stock		ELPA	30			Texas		79927	,
Signed) Jagwilf S	3 all Q	(Signed)			(State)		(Zip)	
lease attach electric log, chemical analysi	s, and other pertinent informa	tion, if avail	able.	(Re	egistered Driller Tr	rainee)		9-15-56	
WR-0392 (Rev. 5-27-82)							Located on n	1ар	

TNRCC MC 177 P.O. Box 13087 Austin, TX 78711-3087 4648

State of Texas PLUGGING REPORT

(This form must be completed and filed with the TNRCC within 30 days following the date the well is plugged as required by current statutory law.)

Texas Water Well Drillers Advisory Council MC 177 P.O. Box 13087 Austin, TX 78711-3087 512-239-0530

1)	ADDRESS OF WELL	(Name)	E & L WATER CO 4190 KRAG (Street, RFD or other)	RP EL	PASO	TX	(City) GRID	EL PASO TX. (State)	(Zip)
3)	OWNER'S WELL NO	o:#1	4) WELLTYPE (Che				.ip)		
Dri sca pla	iller, Pump Installer, or l ale-gridded County map cing a corresponding d	Landowner performing the plot available from the TNRCC/lot in the grid to the right. The	ugging operations must lo	ocate and identify	the location of		De-watering pecific grid on a function the grid by	N31492	
	LEGAL DESCRIPTION Section No Abstract No	DN: Block No. Survey Na	T	ownship				- W 106 10 31	
	Distance and direction						RECEI	VED	7 1
							TOLE MAIL		+
6)	Driller UNKNO	DWN	License No.	ON WELL TO BE	PLUGGED (if		neo 1	4 2004	7
7)	Drilled	;	8) Diameter of hole	inch		Total depth of we	DEC 1	4 2001	+
				RENT PLUGGING		RECEIPT #	A	VICTORY	1
10)	Date well plugged	9-11-01	,¥ø						
11)	Sketch of well: Using sincluding all casing and	space at right, show method	of plugging the well		POST	CUE DI	SPLACE	TENT	\neg
12)		Installer actually performing the NEAR	he plugging operations	-		=		— o	
13)	Casing and cementing	data relative to the plugging	operations:			9	69		
	DIAMETER (inches)	CASING LEF]					- 11
	6"	O O	TO (feet)	-	- 1	1	N		- 11
				1			1191		- 11
	CEMENT PLU	G(S) PLACED IN WELL	SACK(S) OF						
-	FROM (feet)	TO (feet)	CEMENT USED				V		
	0	480	86 SX			1	111		
ŀ		+					111		
				1 1				480	
			D. VALIDATION OF IN	FORMATION			,	Į DV	
here	by certify that this well w	was plugged by me (or under	D. VALIDATION OF IN						
under	stand that failure to con	was plugged by me (or under nplete items 1 thru 13 will res	ult in the report(s) being re	eturned for comp	ne statements hi letion and resul	nerein are true to t bmittal.	he best of my kno	owledge and belief. I	
Comp	any or Individual's Nam	ne (type or print)WES	T TEXAS WATER	WELL SE	RVICE				
Addre	ss: Street or RFD _3	432 W. UNIVERSI		ODESSA		State	TX.	Zip _ 79764	-
Signat	tures:	1 1	0			1./)	Zip	-
	Licensed Drille	rr/Pump Installer	9-13-01 Date	_	John	Owner of Well	•	//-30-d	1
	Trainee/A	Apprentice	Date						
		14/1/2							

Send original copy by certified mail to the Texas Department of Water Resources

State of Texas WATER WELL REPORT

For TDWR use only Well No. 49 15

	x 13087 Texas 78711		ATTENT	ION OWNE	R: Confiden	ntialit	y Priv	rilege Notice on Rev	erse Side	Located on ma	p # 8	18
1) OWN	ER_ Nic	k Nabha	an			1	454	9 Montana				
2) LOCA	ATION ET WEL	tėo (i	Name)			"	J.1661	OI RED)	(City	(Sta		Zip)
Cou	inty	150		17	miles in _		eas	W., etc.)	from El	Paso		
-						(N.	E., S.	W., etc.)		(Town)		
Driller m					☐ Legal de	scripti	on:					
I WITH DISES	ust complete the	n from two	intercepting co		Section	No		Block No	Tow	nship		
well on ar	rvey lines, or he	must locate	and identify t	he	Abstra	ct No.		Survey N	ame			
General H	lighway Map and	attach the r	nap to this for	m.	Distanc	e and	direct	ion from two intersecti	ing section or su	rvey lines		
					See attac							
3) TYPE	OF WORK (Che	eck).	4) PROPOS	SED USE (CI		nea m	ap.	T		· · · · · ·		
New I		Deepening			heck): trial			5) DRILLING MET				
		Plugging			rial □ Public S lell □ Other_			Mud Rotary	Air Hammer	☐ Driven ☐ Bo	red	
6) WELL						-		. Air Rotary		☐ Jetted ☐ Ot	her	
o, 11000	200.		Dia. (in.)	METER OF From (ft.)	HOLE . To (ft.)			EHOLE COMPLETION				2
	5/1/	84	14. 3/4		468				Straight Wall		erreamed	
Date dr						1			Other			
						7	11 (Gravel Packed give inter	val from _	340ft. to	_468	ft.
From (ft.)	To (ft.)	1	Description an	d color of fo	ormation	8)	CASI	NG BLANK BIRE AN	D. 1051 1 0000			
0	4		r	naterial		+-	T	NG, BLANK PIPE, AN	D WELL SCRE	EN DATA:		
4	28	To	op soil	red		Dia.	New	Steel, Plastic, etc Perf., Slotted, et	2.	Setting (ft.)	Gage
			arrene	wnite.		(in.)	Used	Screen Mgf., if c	ommercial	From	То	- Casing Screen
28	34	s	and gra	vel bro	ewn	6	N	steel		0	388	-
<u>34</u> 53	53	S	and bran	wm tan		6	N	perforated	1	388	468	
66	<u>66</u> 89		lay brow	wn		-	<u> </u>					
89	99		and grav	vel hr	านา	-	-					
99	106		ay brow			-	-					
106	165	Sã	and tan			_	-	· · · · · ·				
165	182	c1	ay brow	ın.		-		-				ļ.,
182	191	sa	nd tan	***					MENTINGOA			
191	270 .	cl	ay brow	vn		_	0mant		MENTING DA			
270	281	sa	nd tan			M	lethod	ed from0	ft. t	.015_		ft.
281	292		ay brow	nn		С	ement	ed by The Mo	ntana Co	0.		
320	320 . 326		nd tan						(Company or			
326	355		ay brow	n		9)	WAT	ER LEVEL: 360				
255							Static	levelft. be	low land surface	5/. e Date	19/84	
355 376	376 382		ay brow	/n	,			an flowgr		Date		
382	409		nd tan ay bron		E A F I	Det	FTI - E	700				
409	411		nd tan	I Sulm	多质层具	A	ECK	ERS: Typ	De De	epth		
411	416	cl	ay bron				-	U 				
416	419		nd tan		MAY 31	100/	1					
419	421		h			26/0/2	2					
421	431	Sai	ay brow nd tan		DEPT. O	F11)	TYPE	PUMP:				-
431	446	cla	y brow	WAT	ER RESO	URO	EShi	ne 🗆 Jet	Submersible			
446	462	sar	nd tan		1		Other		A saputer sipil	e □ Cyli	nder	
462	468 (Use	reverse side	if necessary)	clay b	rown			pump bowls, cylinder,	iet etc. 4	24	·	
	QUALITY:								,,,,			
Did you water?	knowingly pene	trate any stra] No	ata which con	tained undes	irable	12) V	VELL	TESTS:				
If yes, su	bmit "REPORT		IRABLE WAT	TER"	1		Type	Test: Pump	X Bailer	Jetted DE	stimated	
	water? emical analysis n	nade?	Depth of strat			,	Yield:	gpm with	ft. di	rawdown after _	7 hrs.	- 1
					ll was drilled by	v me (ı	or und	ler my supervision) and	that			_
	Pichard	eac	in and all of th	e statements	herein are true	e to th	e best	of my knowledge and	belief.			
AME	Richard				_Water Well Dr	illers F	- Registr	ation No	46			
00000		(Type or Pri										
DDRESS		Montan	t		El Pase	٥,			tx.	79936		
/	4	//_	1 11	1	(City)				(State)	(Zip)		-
igned) //	-ymu	(Water We	of Britani	in		Th	ne l	Montana Co.				
ease attach e	lectric log, chem		0	tinent infor-	mation if musil	abla		(Cor	npany Name)			_
		, 5.4,			ir avalle	DIC.						- 1

py by
the
nent of Water Resources
087
as 78711

State of Texas

WATER WELL REPORT ATTENTION OWNER: Confidentiality Privilege Notice on Re For TDWR use only Well No. 49-15-6E
Located on map Yes

- cas 78/11		. Comingen	itiaiity	FIIVI	rege Notice on I	reverse Side	Recei	ved:	C.F.	S.
INER Joe HI		_ Address .	12	50	o Most	FANA	EIP	150 7	7	9931
LOCATION OF WELD	(Name)		(S		r RFD)	711	(City)	State) (Z	ip)
County El PAS	0	miles in _	E	A5	7 direc	ction from	ETYA	30		
			(N.	E., S.V	V., etc.)			(Town)		
Dallia		☐ Legal de							·	
Driller must complete the legal with distance and direction fro	m two intersecting see	Section	n No		Block No	o	_Township _			
well on an official Quarter- or h	locate and identify the				Surve					
General Highway Map and attack	the map to this form.				on from two inter			ies		
		V						4		
3) TYPE OF WORK (Check):		See attac	hed m	ар.						
V	4) PROPOSED USE (Che				5) DRILLING					
New Well .Deep					Mud Rotary	☐ Air Ham	mer Drive	en 🗆 Bore	d	
6) WELL LOG:	3-11011 2 1001110				☐ Air Rotary	☐ Cable To	ool 🗆 Jette	d Othe	er	
o WELL LOG:	DIAMETER OF H Dia. (in.) From (ft.)	OLE To (ft.)			HOLE COMPLET	ION:				
-1 1	14 3/4 Surface	516			en Hote	Straight V		☐ Under	reamed	1
Date drilled 8/10/8	13	010	1	Gra	vel Packed	Other _	-		-	,
-/-			1	If G	ravel Packed give	interval fr	om <u>352</u>	ft. to _	3/4	2_ ft.
From To	Description and color of for	mation	+-							
(ft.) (ft.)	material		8)	CASII	NG, BLANK PIPE,	AND WELL	SCREEN DA	TA:		
0 18	Caliche-WH	T	Dia.	New	Steel, Plastic	, etc.		Setting (ft.	.)	Gage
18 32	SAND GRAVE. 1-	TAN	(in.)	or Used	Perf., Slotter Screen Mgf.	d, etc. , if commercia	, E	om		Casing
32 4/	CLAY- BEWN		6	N	Steel	PIDE	- ''		To 436	Screen
41 80	SAND TAN		6	N	PERF	Stool			511	7
80 91	CLAY- BRWN		6	N	STEE!	Pina			516	
91 212	SAND-TAN					- pe		,,	210	
212 220	CLAY-BRWN								,	
220 257	SAND-TAN		_						\neg	
257 269 169 290	CLAY-BRWW									
290 321	SAND - TAN		-							
321 338	SAND-TAN		-			CEMENTIN				
338 365	CLAU-BRUN	,	C	ement	ed from)	_ft. to	350		ft.
365 372	SAND-TAN	V	M	lethod			1			
372 389	CLAY-BRW	1	C	ement	ed by	ITANA	any or Individ			
389 391	SAND-TAN	~	9)	WATE	R LEVEL:	Compa	iny or individ	lual)		
391 396	CLAY-BRUN		4							
396 401	SAND-TAN				level <u>390</u> f			ate		
401 409	CLAY-BRWI	V	1	Artesia	an flow	gpm.	າ re no ^D	TE TO W	BF	7
409 413	SAND-TAN		10)	PACK	ERS:	Type D) Bepth	BUV	15	HH
413 420	CLAY-BRWA					1	1		-t	<u> </u>
420 423	SAND-TAN						SFE	1219	83	$\neg \neg$
423 43/	CLAY-BRWI	\checkmark							-	
NOT 1135	SAND-TAN						DE	PT. OF		
435 452	CLAY-BRWA		11)	TYPE	PUMP:		WATER	RESOU	RCES	6
432 460	SAND-TAN			Turbi	ne 🗆 Jet	D Subm	nersible	☐ Cyline	der	
760 468	CLAY-BRU			Other						1
	rse side if necessary OUY	P	De	pth to	pump bowls, cyli	nder, jet, etc.,	38	7	_ft.	
3) WATER QUALITY:		1								
water? Yes No	any strata which contained undesign	rable	12) \	WELL	TESTS:		•			
If yes, submit "REPORT OF	UNDESIRABLE WATER"			Type	Test: Pump	Bailer	Jette	d 🗆 Es	timated	
Type of water? Was a chemical analysis made	Depth of strata			Yield:		with	_ft. drawdov	vn after 2	Ohrs.	
	I hereby certify that this well	was drilled b	y me (or und	er my supervision	and that				
1	each and all of the statements	herein are tru	ie to th	e best	of my knowledge	and belief.				
AME KICHARD LY	ee He has	W			_	2146				
з./ о (Тур	e or Print)	Water Well D	rillers	Registr	ation No	XITE				
DDRESS 14925	MONTANA	t/	1 /	, 45 c		Ti		700	21	
(Street or F	IFD) 1	(City)				(Stotal		177.	26	
igned) Muhall	Te 16 1			1	ho m	n A A	11	7 (Zip)		
7 - 9 1	Vater Well Driller)				112 /110	(Company N	NA C	.0		
ease attach electric log, chemical	analysis, and other pertinent inform	nation, if avai	lable.			Trans N		-		
					and and	1	The Real Property lies, the Person of the Pe	-17		

TNRCC MC 177 P.O. Box 13087 Austin, TX 78711-3087



State of Texas PLUGGING REPORT

(This form must be completed and filed with the TNRCC within 30 days following the date the well is plugged as required by current statutory law.)

Texas Water Well Drillers Advisory Council
MC 177
P.O. Box 13087
Austin, TX 78711-3087
512-239-0530

				ATTON AND EUCATIO	NUATA		
1)	OWNER EL PA	(Name)	ADD	PRESS 500 E. S	AN ANTONIO RM 407	EL PASO TX	. 79901
2)	ADDRESS OF WELL County <u>EL</u>	PASO	FERN VI 14999 PETTY FI (Street, RFD or other)	LLAGE WATER	SYSTEM	(State)	(Zip) 6-1(1)
3)	OWNER'S WELL NO:	#1	4) WELLTYPE (Check):	Ճ Water ☐ Moni		ering 5)	
Dril sca plac	ller, Pump Installer, or L lle-gridded County map cing a corresponding do	andowner performing the p available from the TNRCC/ of in the grid to the right. The	lugging operations must locat Installers Certification Prograr elegal description section belo	e and identify the location The location of the well w is optional.	n of the well within a specific grid on Il should be denoted within the grid t	- N 3/50	647
	Section No.	Block No.	Town	nship	RECEIV	ED	
	Abstract No.	Survey Na	ame		TOLA MAIL R	OOM sh	1
	Distance and direction				DEC 14	2001	N
			B. HISTORICAL DATA ON	WELL TO BE PLUGGE	(Lavelleble) AMOL	INT	
6)	DrillerUNKN	OWN	License No		City		
7)	Drilled	;	8) Diameter of hole		9) Fotal depth of well		-
				T PLUGGING DATA			
10)	Date well plugged	9-11-01	, ĎŽ				
11)	Sketch of well: Using s including all casing and	pace at right, show method cemented intervals.	of plugging the well	Posi	TIVE DISPL	Acmed	7
12)	Name of Driller/Pump Ir PAUL McA	nstaller actually performing ANEAR	the plugging operations				
	License number	4469WI		-	- 111	- O	
13)	Casing and cementing of	data relative to the plugging	operations:		1 1 1 1 1		
	DIAMETER (inches)	CASING LE	FT IN WELL			1	
	10"	FROM (feet)	TO (feet)		' '	000000	'
	1.0	0	480			_CEMENT	
- 1						GROW	
	CEMENT PLUG	G(S) PLACED IN WELL	SACK(S) OF		1 / 1' 1	·	
	O O	TO (feet) 480	248 SX		1111, 1		
		700	240 54		1 11,4		
ŀ							
t						4.80	
			D. WALES			7,00	
l here	by certify that this well w	was plugged by me /er and	D. VALIDATION OF INFO	RMATION INCLUDED I	N FORM		
under	stand that failure to com	plete items 1 thru 13 will re	er my supervision) and that ea sult in the report(s) being retui	ch and all of the stateme med for completion and r	nts herein are true to the best of my	knowledge and belie	of. I
			TEXAS WATER WE				
		32 W. UNIVERSI		ODESSA	O O MY	7076	
Signat		-//	Ony		State TX.	Zip <u>7976</u>	4
	Taul/	11/mens	9-13-01	to	the .	./ -	
	Licensed Driller	/Pump Installer	Date		Owner of Well		ate
	Trainee/A	pprentice	Date				

TNRCC MC 177 P.O. Box 13087 Austin, TX 78711-3087



State of Texas PLUGGING REPORT

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Texas Water Well Drillers Advisory Council MC 177 P.O. Box 13087 Austin, TX 78711-3087 512-239-0530

1)	OWNER EL PA			ADDRESS 500	E. SAN	ANTONTO	RM. 407 EL	DACO MY	70001
2)	ADDRESS OF WELL	(Name)	McCRACKEN EST	ATES	(Street o	or RFD)	(City)	(State)	/9901 (Zip)
-,	County EL PAS		1336 JAMES KELL		PASO	ጥህ			
			(Street, RFD or other)	(City		TX.	GRID #	49-1	6-1 (2)
3)	OWNER'S WELL NO:	#2	0 4454	17		(====,	(–-)		
			4) WELLTYPE (Che		☐ Monitor			N31 51	3
Dril sca plad	ler, Pump Installer, or Li le-gridded County map bing a corresponding do	andowner performing t available from the TNF It in the grid to the right	the plugging operations must lo RCC/Installers Certification Pro The legal description section	ocate and identify gram. The location below is optional.	the location of n of the well st	of the well within a should be denoted	specific grid on a full within the grid by	W 106 06	
	LEGAL DESCRIPTION	N:							•
	Section No.	Block	No	Fourshis	-	DE	CEIVED		
			ey Name		1	TOLE	MOOH JIAM	SH	
	Distance and direction		sy Name						Ŋ
	intersecting section lin	es or survey lines:					EC 1 4 2001		
			B. HISTORICAL DATA	ON WELL TO BE	PLUGGE D.(if available)	AMOUNT		
6)	Driller UNKN	OWN	License No.		RE	City _			
7)	Drilled	19;	8) Diameter of hole	inche	es; 9)		well	feet.	
			C. CURI	RENT PLUGGING	DATA				
10)	Date well plugged	9-11-01	, X						
11)	Sketch of well: Using s including all casing and	pace at right, show me cemented intervals.	ethod of plugging the well	7	OSI-	TIVE	DISPLA	RMEN	T
			ning the plugging operations						
	PAUL McANI		ming the plagging operations				$\overline{1}$		
	License number	4469WT		-		1 7	1.1	0	
	Casing and cementing			-			4		
,	casing and cementing (data relative to the plug	gging operations:			1 1	14		
	DIAMETER (inches)	CASIN	G LEFT IN WELL	7			1 1		
	6"	FROM (feet)	TO (feet)]		'	11	-CEMEN	1
	U	0	510	-			/ 1	GROUT	
				-		A	171	GROW	15
	CEMENT PLUC	G(S) PLACED IN WELL	SACK(S) OF	-		1 7 1		·	- 11
	FROM (feet)	TO (feet)	CEMENT USED						- 11
	0	510	172 SX			1 ' 1			- 11
-							1. 1	l.	
1						A	\mathcal{W}		
		-		-				-	
1				J		1		540	
			D. VALIDATION OF I						
here	by certify that this well v	vas plugged by me (or	under my supervision) and tha	it each and all of t	ne statements	s herein are true t	n the hest of my know	ladas and halist	
nuei	stand that failure to com	ipiete items 1 thru 13 v	vill result in the report(s) being	returned for comp	etion and res	submittal.	a the sout of my know	neage and belief	'
omp	any or Individual's Nam	e (type or print)W	VEST TEXAS WATER	WELL SERV	/ICE				1
ddre	ss: Street or RFD _3					<u> </u>	O my		
	tures:	11	Oity	- ODLOOP		State	7 TX.	Zip <u>79764</u>	
	1 hert	1/1/	01 9-12 A	,	1	2/			
	Licensed Driller	r/Pump Installer	Date		Jaku	1 /	•	1/-3	0-01
						Owner of Well		Da	e
	Trainee/A	pprentice	Date						
		1441 12							

TNRCC MC 177 P.O. Box 13087 Austin, TX 78711-3087



State of Texas PLUGGING REPORT

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Texas Water Well Drillers Advisory Council
MC 177
P.O. Box 13087
Austin, TX 78711-3087
512-239-0530

Scounty EL PASO State PASO TX.		Austin, 12 76711-3067		required by carre	or orallatory ta	244./		31	12-239-0530	
ADDRESS OF WELL: County EL PASO S200 OSHEA (Street, RFD or other) (Street,				A. WELL IDENTIFICATION	ON AND LOC	ATION DAT	'A			
Size Paso TX Size TX Si	2)	ADDRESS OF WELL:	(Name)	McCRACKEN E		. SAN A	ANTONIO (FD)	(City)	(State)	(Zip)
3) OWNER'S WELL NO: #1		County EL PASU		5200 OSHEA	EL E			GRID #	# <u>49-16-</u>	1 (3)
placing a corresponding dot in the grid to the right. The legal description section below is optional. LEGAL DESCRIPTION: Section No. Block No. Township TDLR MAIL PRO					Water	Monitor	☐ Injection	☐ De-watering	5)	
LEGAL DESCRIPTION: Section No. Block No. Township Abstract No. Survey Name Distance and direction from two intersecting section lines or survey lines: B. HISTORICAL DATA ON WELL TO BE PLUGGED (if available) 10 Driller UNKNOWN License No. CECEIPT City AMOUNT 10 Date well plugged 9-11-01 11) Sketch of well: Using space at right, show method of plugging the well including all casing and cemented intervals. 12) Name of Driller/Pump installer actually performing the plugging operations PAUL MCANEAR License number 4469WI 13) Casing and cementing data relative to the plugging operations: OIAMETER (inches) FROM (leed) TO (leed) FROM (leed) TO (leed) CEMENT USED O 510 240 SX D. VALIDATION OF INFORMATION INCLUDED IN FORM hereby certify that this well was plugged by me (or under my supervision) and that each and all of the statements herein are true to the best of noderstand that failure to complete items 1 thru 13 will result in the report(s) being returned for completion and resubmittal. Company or Individual's Name (type or print) WEST TEXAS WATER WELL SERVICE ddress: Street or RFD 3432 W. UNIVERSITY BLVD. City ODESSA Company or Individual's Name (type or print) WEST TEXAS WATER WELL SERVICE Company or Individual's Name (type or print) WEST TEXAS WATER WELL SERVICE Company or Individual's Name (type or print) WEST TEXAS WATER WELL SERVICE Control Well Drille scale placin	r, Pump Installer, or Land gridded County map ava ng a corresponding dot in	owner performing the plu illable from the TNRCC/I the grid to the right. The	ugging operations must locate and installers Certification Program. The legal description section below is	I identify the love location of the optional.	cation of the	well within a s	specific grid on a full within the grid by			
Abstract No. Survey Name TDLF MAIL RO Distance and direction from two intersecting section lines or survey lines: B. HISTORICAL DATA ON WELL TO BE PLUG GED (if available) Driller UNKNOWN License No. GECEIPT# City AMOUNT Drilled 19 8) Diameter of hole inches; 9) Total depth of well C. CURRENT PLUGGING DATA C. CURRENT PLUGGING DATA 10) Date well plugged 9-11-01 8 11) Sketch of well: Using space at right, show method of plugging the well including all casing and cemented intervals. 12) Name of Driller/Pump installer actually performing the plugging operations PAUL MCANEAR License number 4469 WI 13) Casing and cementing data relative to the plugging operations: DIAMETER (Inches) FROM (feet) TO (feet) TO (feet) O 510 240 SX D. VALIDATION OF INFORMATION INCLUDED IN FORM hereby certify that this well was plugged by me (or under my supervision) and that each and all of the statements herein are true to the best of inderstand that failure to complete items 1 thru 13 will result in the report(s) being returned for completion and resubmittal. Company or Individual's Name (type or print) WEST TEXAS WATER WELL SERVICE cluddess: Street or RFD 3432 W. UNIVERSITY BLVD. City ODESSA Licended Driller/Pump Installer Control Well Contr		LEGAL DESCRIPTION:	1						M3151	72
Distance and direction from two intersecting section lines or survey lines: B. HiSTORICAL DATA ON WELL TO BE PLUGGED (if available)		Section No.	Block No.	Township	i		DEC	EIVED	1	
B. HISTORICAL DATA ON WELL TO BE PLUGGED (if evaliable) Company or Individual's Name (type or print) WEST TEXAS WATER WELL SERVICE didness: State TX.		Distance and direction from	om two				TOLAN	MAIL ROOM	SH	7
B. HISTORICAL DATA ON WELL TO BE PLUGGED (if available) Driller UNKNOWN License No		ntersecting section lines of					DEC	14 2001		
7) Drilled							vailable)	14 (00		
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TNRCC MC 177 P.O. Box 13087 Austin, TX 78711-3087

State of Texas PLUGGING REPORT

(This form must be completed and filed with the TNRCC within 30 days following the date the well is plugged as required by current statutory law.)

Texas Water Well Drillers Advisory Council MC 177 P.O. Box 13087 Austin, TX 78711-3087 512-239-0530

1)	OWNER EL PAS	O COUNTY	ADDE	RESS 500 E. SA	N ANTONTO	RM 407 FT D	ACO TOY	70001	
2)	ADDRESS OF WELL	(Name)	MONTANA LAND	ESTATES (Street	or RFD)	(City)	(State)	(Zip)	
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_			(Street, RFD or other)	(City)		Zip) GRID #	49-16-	1(4)	
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Dri	ller, Pump Installer, or L	andowner performing the pla	Igging operations and the			☐ De-watering] "		
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(Signed)

Please attach electric log, chemical analysis, and other pertinent information, if available.

THIRDOC CODY

(Signed)

(Registered Driller Trainee)

N

Appendix F Dr. Anthony Tarquin Correspondence on Water/Wastewater Treatment Process



February 21, 2010



Department of Civil Engineering

Mr. Ben Knape
Underground Injection Control Permits Team
MC-233
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

RE: Treatment of Fusselman-Montoya-El Paso Group Water El Paso Water Utilities Proposed Aquifer Exemption for Class V Injection Wells TCEQ Authorization No. 5X2700062, WWC No. 12124075, CN602957060/RN104809389

Dear Mr. Knape:

This letter is written as an attachment to the Aquifer Exemption Request for Class V Injection Wells that were drilled under Authorization No. 5X2700062. For the past eight years, I have been involved in research related to water recovery from silica-saturated reverse osmosis concentrate generated at the Kay Bailey Hutchison (KBH) desalting plant that is owned and operated by El Paso Water Utilities (EPWU). I was asked to render my opinion about the advisability of injecting their RO concentrate into the Fusselman-Montoya-El Paso Group. This letter is in response to that request.

It is my understanding that the current Class V injection authorization prohibits injecting water that does not meet primary drinking water standards. A summary of concentrate water quality provided to me by EPWU indicates that the concentrate from the KBH plant exceeds the water quality standard of 10 ppb for arsenic. However, the groundwater at the injection site also exceeds the 10 ppb water quality standard for arsenic. Furthermore, the groundwater exceeds the drinking water standard for several other water quality parameters, including TDS, nitrite, gross alpha, and radium. Thus, in order for that groundwater to serve as a future source of drinking water supply, it would have to be subjected to rigorous treatment to remove the contaminants that are already there, including arsenic. Therefore, it appears to me that the injection of the concentrate from the KBH plant will not render the groundwater either less treatable or more costly to treat than it already is (in fact, it might do the reverse through dilution). In any case, I would be glad to discuss this matter with you if you so desire. You can call me at work at (915) 747-6915 or on my cell phone at (915) 667-1155.

Sincerely,

Anthony Tarquin, Ph.D.

Professor - Civil Engineering/Science Engineering

The University of Texas at El Paso

Owthing J. Jarguin

Alumni Academy of Civil Engineers

500W. University Ave. El Paso, Texas 79968-0516 (915) 747-5464 FAX: (915) 747-8037



Anthony Tarquin, Ph.D.

Professor-Civil Engineering Engineering/Science Complex Engineering Bldg., Room A220 atarquin@utep.edu (915)747-6915

Dr. Tarquin's main area of research is Environmental Engineering, while still involved in: Economic Optimization of Water/Wastewater treatment processes, Water conservation/wastewater recycling, Water/Wastewater desalting.

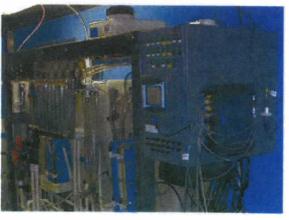
Dr. Anthony Tarquin has completed numerous research projects related to industrial wastewater treatment, domestic wastewater treatment, and small waste flows. Recently, Tarquin's projects have dealt with brackish water desalting and volume reduction of silica-saturated RO concentrates. These projects focus on the concern of water resources in arid environments, optimizing conservation, and any associated economic matters. In the past, Tarquin has studied methods of teaching to help improve the way students learn.

Located at The University of Texas at El Paso, the **Center for Inland Desalination Systems (CIDS)** is a newly formed center that is studying desalination-related issues as:

- mining the brine concentrate produced during the Reverse Osmosis (RO) process
- developing small-scale portable desalination equipment to be used in remote locations
- developing processes that maximize energy and water production efficiencies

CIDS builds on a strong foundation of related research already being done by faculty members in geological sciences, chemistry and civil engineering. CIDS funding is currently a combination of a \$2 million grant from the state of Texas through its Emerging Technology Fund, \$2 million from The University of Texas System, and matching funds raised by UTEP (goal is \$2 million in sponsored research from industry partners).

CIDS has several regional partners, including the EI Paso Water Utilities Public Service Board, which manages the largest inland desalination facility in the United States. The 27.5 million gallon per day desalination facility is a partnership between the city of El Paso and the Fort Bliss army base. The five-year agreement approved by the Board includes creation of a Center for Excellence in research, education and outreach related to water resource management and inland desalination. Other partnerships include the Consortium for Hi-Technology Investigations in Water and Waste Water (CHIWAWA) and Veolia Water Solutions and Technologies.



Above: One of three portable equipment "skids" available for research. Pictured here is the electrodialysis-metathesis (EDM) portion of the Zero Discharge Desalination (ZDD) technology, invented by Dr. Tom Davis. EDM technology is added to a reverse osmosis system for highly efficient desalination, improving efficiencies from 75% to more than 90%.

Current research direction at CIDS include seawater pilot demonstrations in Libya and highly efficient brackish desalination pilot demonstrations and research in New Mexico, California, Texas, and Florida. CIDS plans to research technologies and approaches that will maximize the benefits of desalination, while minimizing the input energy and negative environmental impacts.

CIDS is in the process of developing an extensive website. For further information, contact:

Center for Inland Desalination Systems
500 West University Ave
Burges Hall, Room 216
El Paso, TX 79902
Phone: (915) 747-5328
CIDS@utep.edu